



## **Patent Register**

Version 06072020 – revised version

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Bejo Zaden BV	WO2014131857	Change in US number	5
Enza Zaden Beheer B.V.	US20200093085A1	EP number deleted + change in US nr.	14
	WO2020126500A1	New patent	15
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**International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2004089065](#)  
EP Publication Number incl. Hyperlink: [NL1023179](#)  
US or other national publication number: [US8,921,644](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Brassica plants with high levels of anticarcinogenic glucosinolates  
Trait / Characteristic: high level glucosinolates  
Related Vegetable (primary use): Brassica oleracea

---

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2007116096](#)  
EP Publication Number incl. Hyperlink: [EP1998608](#)  
US or other national publication number: [US8,492,615](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Brassica oleracea plants with a resistance to Mycosphaerella brassicicola  
Trait / Characteristic: disease resistance  
Related Vegetable (primary use): Brassica oleracea

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ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2008133503](#)  
EP Publication Number incl. Hyperlink: [EP2139311](#)  
US or other national publication number: [US8,445,752](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Brassica oleracea plants with a resistance to Albugo candida  
Trait / Characteristic: disease resistance  
Related Vegetable (primary use): Brassica oleracea

---

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2010007059](#)  
EP Publication Number incl. Hyperlink: [EP2306808](#)  
US or other national publication number: [US8,987,558](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Cytoplasmic male sterile leek plants  
Trait / Characteristic: cytoplasmic male sterility  
Related Vegetable (primary use): Allium porrum

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### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2010007059](#)  
EP Publication Number incl. Hyperlink: n.a.  
US or other national publication number: US8,987,558  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Cytoplasmic Male Sterile Leek Plants, Methods for the Preparation and Use Thereof, and a Cytoplasmic Male Sterile Garlic Plant  
Trait / Characteristic: cytoplasmic male sterility  
Related Vegetable (primary use): Allium porrum and Allium sativum

---

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2010089374](#)  
EP Publication Number incl. Hyperlink: [EP2393349](#)  
US or other national publication number: [US9,000,258](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Xanthomonas campestris pv. campestris resistant brassica plant and preparation thereof  
Trait / Characteristic: disease resistance  
Related Vegetable (primary use): Brassica oleracea

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ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2012072584](#)  
EP Publication Number incl. Hyperlink: [EP2645849](#)  
US or other national publication number: [US9,516,823](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Plasmodiophora brassicae-resistant brassica plant, seeds and plant parts thereof and methods for obtaining the same  
Trait / Characteristic: disease resistance  
Related Vegetable (primary use): Brassica oleracea

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2014079498](#)  
EP Publication Number incl. Hyperlink: [EP2922958](#)  
US or other national publication number: [US10,021,848](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Methods for providing cytoplasmic male sterile Petroselinum crispum plants, cytoplasmic male sterile petroselinum crispum plants and seeds and plant parts thereof  
Trait / Characteristic: cytoplasmic male sterility  
Related Vegetable (primary use): Petroselinum crispum

---

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2014131857](#)  
EP Publication Number incl. Hyperlink: [EP2961263](#)  
US or other national publication number: [US10,575,479](#)  
[US20160007552](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Lactuca sativa with Bremia lactucae (Downy Mildew) resistance  
Trait / Characteristic: Bremia resistance  
Related Vegetable (primary use): Lactuca sativa

---

ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2015022023](#)  
EP Publication Number incl. Hyperlink: [EP3032941](#)  
US or other national publication number: [US10,015,942](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Cytoplasmic male sterile Cichorium plants  
Trait / Characteristic: cytoplasmic male sterility  
Related Vegetable (primary use): Cichorium intybus var. foliosum, C. intybus var. sativum and and C. endivia

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ILP Member: **Bejo Zaden BV**  
PCT Publication Number: [WO2017097345](#)  
EP Publication Number incl. Hyperlink: [EP15816689](#)  
US or other national publication number: [US15,781,749](#)  
Owner – ILP Member (Applicant, if different): Bejo Zaden BV  
PCT Patent Title: Sprouting broccoli with one or more improved phenotypes  
Trait / Characteristic: flowering time/habitus  
Related Vegetable (primary use): Brassica oleracea

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**International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)



## **Patent Register**

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ILP Member:	<b>Bejo Zaden BV</b>
PCT Publication Number:	<a href="#">WO2017144077</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP16708618</a>
US or other national publication number:	<a href="#">US16,078,124</a> (was <a href="#">AU2016394639</a> )
Owner – ILP Member (Applicant, if different):	Bejo Zaden BV
PCT Patent Title:	Powdery mildew resistance genes in carrot
Trait / Characteristic:	disease resistance
Related Vegetable (primary use):	Daucus carota

---

ILP Member:	<b>Bejo Zaden BV</b>
PCT Publication Number:	<a href="#">WO2017207022</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP16728870</a>
US or other national publication number:	CN109310063
Owner – ILP Member (Applicant, if different):	Bejo Zaden BV
PCT Patent Title:	<a href="#">Pericarp free Spinacia oleracea seeds</a>
Trait / Characteristic:	seed habitus
Related Vegetable (primary use):	Spinacia oleracea

---

ILP Member:	<b>Bejo Zaden BV</b>
PCT Publication Number:	<a href="#">WO2018158417</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP18711242</a>
US or other national publication number:	<a href="#">US16,487,461</a>
Owner – ILP Member (Applicant, if different):	Bejo Zaden BV
PCT Patent Title:	Septoria resistance in celery
Trait / Characteristic:	disease resistance
Related Vegetable (primary use):	Apium graveolens

---

ILP Member:	<b>Bejo Zaden BV</b>
PCT Publication Number:	<a href="#">WO2018134236</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP3351091</a>
US or other national publication number:	<a href="#">MX2019008594</a>
Owner – ILP Member (Applicant, if different):	Bejo Zaden BV
PCT Patent Title:	Interspecific hybrid plant resulting from a cross between an Allium ampeloprasum plant with an Allium sativum plant
Trait / Characteristic:	content matters/flavor
Related Vegetable (primary use):	Allium ampeloprasum

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008003783  
EP Publication Number incl. Hyperlink: [EP2041289B1](#)  
US or other national publication number: n/a  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Resistance to Powdery mildew and absence of necrosis in Cucumis sativus  
Trait / Characteristic: Powdery mildew resistance / absence of necrosis  
Related Vegetable (primary use): cucumber

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2011003440  
EP Publication Number incl. Hyperlink: [EP2453730A1](#)  
US or other national publication number: US 8,779,241B2 (US2012137388)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Cucumber vein yellowing virus (CVYV) resistant cucumber plants (Cucumis sativus L.).  
Trait / Characteristic: CVYV CGMMV resistance  
Related Vegetable (primary use): cucumber

---

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2009086850  
EP Publication Number incl. Hyperlink: [EP2240598B1](#)  
US or other national publication number: US 8,766,041B2 (US2010299786)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Cucumber genetically linked to Tobamovirus resistance in cucumber and the use thereof  
Trait / Characteristic: CGMMV resistance  
Related Vegetable (primary use): cucumber

---

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007042070  
EP Publication Number incl. Hyperlink: [EP1931193B1](#)  
US or other national publication number: US 8,247,645B2 (US2010170001)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Method for providing cucumber fruits with an extended shelf life  
Trait / Characteristic: Shelf life  
Related Vegetable (primary use): cucumber

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## **Patent Register**

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ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	WO0063432
EP Publication Number incl. Hyperlink:	<a href="#">EP1179089B1</a>
US or other national publication number:	US 6,903,249B2 (US2004226060) US 7,501,555B2 (US2006005272) US 7,790,948B2 (US2009271890)
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Method for obtaining a plant with a lasting resistance to a pathogen
Trait / Characteristic:	Bremia resistance
Related Vegetable (primary use):	lettuce
<hr/>	
ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	WO2010025747
EP Publication Number incl. Hyperlink:	<a href="#">EP2330886A1</a>
US or other national publication number:	US 8,962,931B2 (US2011214202)
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	CVYV-resistant plants of the species Cucumis melo
Trait / Characteristic:	CVYV resistance
Related Vegetable (primary use):	melon
<hr/>	
ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	WO2004089067
EP Publication Number incl. Hyperlink:	<a href="#">EP1613145A1</a>
US or other national publication number:	US 9,474,220B2
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Method for obtaining fruits of the genus capsicum with improved taste and enhanced nutritional value
Trait / Characteristic:	Taste / vitamin C
Related Vegetable (primary use):	pepper
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## **Patent Register**

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007038980  
EP Publication Number incl. Hyperlink: [EP1937058A1](#)  
US or other national publication number: US 8,022,278B2 (US2009055946)  
US 8,618,370B2 (US2012066797)  
US 9,320,215B2 (US2014223611)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Method for transferring one or more genetic traits from a plant of the purple-flowered Capsicum species to a plant of the white-flowered Capsicum species  
Trait / Characteristic: Xanthomonas resistance  
Related Vegetable (primary use): pepper

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: n/a  
EP Publication Number incl. Hyperlink: [NL2009231](#)  
US or other national publication number: n/a  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Powdery mildew resistant plants of the genus Cucurbita  
Trait / Characteristic: Powdery mildew resistance  
Related Vegetable (primary use): Cucurbita

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2009021545  
EP Publication Number incl. Hyperlink: [EP2190999B1](#)  
US or other national publication number: US 9,157,093B2 (US2010212046)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Promotor sequence and gene construct for increasing crop yield in tomato  
Trait / Characteristic: Plant architecture  
Related Vegetable (primary use): Tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	n/a
EP Publication Number incl. Hyperlink:	<a href="#">NL2009232</a>
US or other national publication number:	n/a
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Leaf miner fly resistant plants of the genus Cucumis
Trait / Characteristic:	Leaf miner fly resistance
Related Vegetable (primary use):	Melon

---

ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	<a href="#">WO2015136065</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP3116899A1</a>
US or other national publication number:	US20170107529A1
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Solanum lycopersicum plants with increased fruit yield
Trait / Characteristic:	Plant architecture
Related Vegetable (primary use):	Tomato

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ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	WO2013017293
EP Publication Number incl. Hyperlink:	<a href="#">EP2681233B1</a>
US or other national publication number:	US 9,493,787; US20170016020
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Powdery mildew resistance providing genes in Cucumis sativus
Trait / Characteristic:	Powdery mildew resistance
Related Vegetable (primary use):	Cucumber

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ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	WO2012116938A1
EP Publication Number incl. Hyperlink:	<a href="#">EP2681234B1</a>
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Powdery mildew resistance providing genes in Cucumis melo
Trait / Characteristic:	Powdery mildew resistance
Related Vegetable (primary use):	Melon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2015106796  
EP Publication Number incl. Hyperlink: [EP3094722A1](#)  
US or other national publication number: US 2016333370 A1  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Phytophthora resistant plants belonging to the Solanaceae family  
Trait / Characteristic: Phytophthora resistance  
Related Vegetable (primary use): Tomato

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2015193418  
EP Publication Number incl. Hyperlink: [WO2015193418](#)  
US or other national publication number: US20170314039A1  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Phytophthora resistant plants belonging to the Solanaceae family  
Trait / Characteristic: Phytophthora resistance  
Related Vegetable (primary use): Tomato, sweet pepper

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007051483  
EP Publication Number incl. Hyperlink: [EP1957655B1](#)  
US or other national publication number: EP1957655  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce, spinach, Cucumber, Brassica, Onion, tomato, Cucurbitaceae

---

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007051483  
EP Publication Number incl. Hyperlink: [US8237019B2](#)  
US or other national publication number: US8237019  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007051483  
EP Publication Number incl. Hyperlink: [US8354570B2](#)  
US or other national publication number: US8354570  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Spinach

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2007051483  
EP Publication Number incl. Hyperlink: [US8575432B2](#)  
US or other national publication number: US8575432  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Cucumber, tomato

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2115147B1](#)  
US or other national publication number: US8742207  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2455474B1](#)  
US or other national publication number: US9546373  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Cucumber

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP455473B1](#)  
US or other national publication number: US9121029  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Spinach

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2455479B1](#)  
US or other national publication number: US2016298131  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Tomato

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2455477B1](#)  
US or other national publication number: EP2455477  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Cabbage

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2455475A1](#)  
US or other national publication number: EP2455475  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Melon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2008092659  
EP Publication Number incl. Hyperlink: [EP2455476B1](#)  
US or other national publication number: EP2455476  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Disease resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Onion

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: WO2000038500  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: [US6784345B1](#)  
Owner – ILP Member (Applicant, if different): R&D AG, Inc.  
PCT Patent Title: Heat tolerant broccoli  
Trait / Characteristic: Heat tolerance  
Related Vegetable (primary use): Broccoli

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: [WO2016012346A1](#)  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: EP3193584 / US 20170215361  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Stay green cucumber plant  
Trait / Characteristic: Shelf life  
Related Vegetable (primary use): Cucumber

---

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: n/a  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: [US20200093085A1](#)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Red-yellow striped peppers  
Trait / Characteristic: Fruit colour  
Related Vegetable (primary use): Pepper

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: n/a  
EP Publication Number incl. Hyperlink:  
US or other national publication number: [US2019191652A1](#)  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Machine harvestable iceberg lettuce  
Trait / Characteristic: Plant architecture  
Related Vegetable (primary use): Lettuce

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: [WO2020035145A1](#)  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: n/a  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Resistance gene and lettuce plant resistance to downy mildew  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: [WO2020126500A1](#)  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: n/a  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Lettuce plant resistant to downy mildew and resistance gene  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Enza Zaden Beheer B.V.**  
PCT Publication Number: [WO2020125925A1](#)  
EP Publication Number incl. Hyperlink: n/a  
US or other national publication number: n/a  
Owner – ILP Member (Applicant, if different): Enza Zaden Beheer B.V.  
PCT Patent Title: Machine harvestable iceberg lettuce  
Trait / Characteristic: Plant architecture  
Related Vegetable (primary use): Lettuce

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Enza Zaden Beheer B.V.</b>
PCT Publication Number:	<a href="#"><u>WO2020125928A1</u></a>
EP Publication Number incl. Hyperlink:	n/a
US or other national publication number:	n/a
Owner – ILP Member (Applicant, if different):	Enza Zaden Beheer B.V.
PCT Patent Title:	Lettuce plant resistant to downy mildew and resistance gene
Trait / Characteristic:	Downy mildew resistance
Related Vegetable (primary use):	Lettuce





## **Patent Register**

Version 06072020 – revised version

ILP Member: **KWS Saat & Co. KGaA**  
PCT Publication Number: [WO2017081187A1](#)  
EP Publication Number incl. Hyperlink:  
US or other national publication number: US20170127641  
US2018-0255739  
AU2016354078  
Owner – ILP Member (Applicant, if different): KWS Saat & Co. KGaA (applicant: Pop Vriend)  
PCT Patent Title: Peronospora resistance in spinacia sp  
Trait / Characteristic: Downey mildew resistance  
Related Vegetable (primary use): Spinach

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ILP Member: **KWS Saat & Co. KGaA**  
PCT Publication Number: [WO2017081189A1](#)  
EP Publication Number incl. Hyperlink:  
US or other national publication number: US2017/0127642  
AU2016354080  
Owner – ILP Member (Applicant, if different): KWS Saat & Co. KGaA (applicant: Pop Vriend)  
PCT Patent Title: Peronospora resistance in spinacia sp  
Trait / Characteristic: Downey mildew resistance  
Related Vegetable (primary use): Spinach

---

ILP Member: **KWS Saat & Co. KGaA**  
PCT Publication Number: WO 2014/202044  
EP Publication Number incl. Hyperlink: [EP 3 492 595](#)  
US or other national publication number: US 2018/0273973 A1, CA 2,915,902 A1,  
DE 10 2013 010 026 A1, EA 201690011,  
NZ 754318, NZ 715967, UA a201512799,  
UA a201907608  
Owner – ILP Member (Applicant, if different): KWS SAAT SE / KWS SAAT SE & Co. KGaA  
PCT Patent Title: Rhizomania-resistant gene  
Trait / Characteristic: Rhizomania resistance  
Related Vegetable (primary use): Beta vulgaris subsp. Vulgaris (red beet, swiss chard)

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## Patent Register

Version 06072020 – revised version

ILP Member:	<b>KWS Saat &amp; Co. KGaA</b>
PCT Publication Number:	WO2018/029300
EP Publication Number incl. Hyperlink:	<a href="#">EP 3 282 016</a> , <a href="#">EP 3 497 223</a>
US or other national publication number:	US 2019/0284570 A1, CA 3,038,356 A1, CL 2019-300, CN 109844120 A, EA 201990468, EG 195/2019, IR 139750140003009766, JP 2019-507231, NZ 751447, UA a201901986, ZA 2019/00711
Owner – ILP Member (Applicant, if different):	KWS SAAT SE / KWS SAAT SE & Co. KGaA
PCT Patent Title:	Resistance gene to Rhizomania
Trait / Characteristic:	Rhizomania resistance
Related Vegetable (primary use):	Beta vulgaris subsp. Vulgaris (red beet, swiss chard)

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ILP Member:	<b>KWS Saat &amp; Co. KGaA</b>
PCT Publication Number:	
EP Publication Number incl. Hyperlink:	<a href="#">EP 3 567 111</a>
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	KWS SAAT SE / KWS SAAT SE & Co. KGaA
PCT Patent Title:	Gene for resistance to a pathogen of the genus Heterodera
Trait / Characteristic:	Heterodera resistance
Related Vegetable (primary use):	Beta vulgaris subsp. Vulgaris (red beet, swiss chard)

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ILP Member:	<b>KWS Saat &amp; Co. KGaA</b>
PCT Publication Number:	WO2020053313
EP Publication Number incl. Hyperlink:	EP3623379
US or other national publication number:	n/a
Owner – ILP Member (Applicant, if different):	KWS SAAT SE / KWS SAAT SE & Co. KGaA
PCT Patent Title:	Beet Necrotic Yellow Vein Virus (BNYVV)-resistance modifying gene
Trait / Characteristic:	
Related Vegetable (primary use):	Red beet, mangolds, Swiss chard, spinach



## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink:  
US or other national publication number: [US2015101072](#)  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Combining Fusarium 2 resistance gene (FON2) and red flesh in watermelon  
Trait / Characteristic: Fusarium resistance  
Related Vegetable (primary use): Watermelon

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ILP Member: **Limagrain**  
PCT Publication Number: WO2006060425  
EP Publication Number incl. Hyperlink: [EP1816908](#)  
US or other national publication number: US7314979  
US8034999  
Owner – ILP Member (Applicant, if different): HM.Clause Inc. (ex. Harris Moran) - Vilmorin & Cie  
PCT Patent Title: Multibranching watermelon plant and method of producing  
Trait / Characteristic: Plant Characteristics  
Related Vegetable (primary use): Watermelon

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ILP Member: **Limagrain**  
PCT Publication Number: WO2006061256 (A1)  
EP Publication Number incl. Hyperlink: [EP1819217](#)  
US or other national publication number: US8779234  
US8119856  
Owner – ILP Member (Applicant, if different): Hazera Seeds B.V (ex.Nickerson Zwaan) - Vilmorin & Cie  
PCT Patent Title: Resistance to downy mildew of onion caused by the fungus peronospora destructor  
Trait / Characteristic: Fungus Resistance  
Related Vegetable (primary use): Onion

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Limagrain</b>
PCT Publication Number:	
EP Publication Number incl. Hyperlink:	<a href="#">No number - only LINK</a>
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	HM.Clause SA. (ex. Clause) - Vilmorin & Cie
PCT Patent Title:	Plant of Eruca genus, which is a carrier of a cytoplasmic male sterility
Trait / Characteristic:	Plant Characteristics
Related Vegetable (primary use):	Eruca sativa
<hr/>	
ILP Member:	<b>Limagrain</b>
PCT Publication Number:	
EP Publication Number incl. Hyperlink:	<a href="#">EP2403950</a>
US or other national publication number:	US9,133,476 US2015368664 (A1)
Owner – ILP Member (Applicant, if different):	HM.Clause SA. (ex. Clause) - Vilmorin & Cie
PCT Patent Title:	Plant of genus diplotaxis having male cytoplasmic sterility
Trait / Characteristic:	Plant Characteristics
Related Vegetable (primary use):	diplotaxis tenuifolia
<hr/>	
ILP Member:	<b>Limagrain</b>
PCT Publication Number:	
EP Publication Number incl. Hyperlink:	<a href="#">No number - only LINK</a>
US or other national publication number:	US8063271
Owner – ILP Member (Applicant, if different):	Hazera Seeds B.V (ex.Nickerson Zwaan) - Vilmorin & Cie
PCT Patent Title:	Inbred Radish line NIZ-AC2
Trait / Characteristic:	Oomycete resistance
Related Vegetable (primary use):	Radish
<hr/>	
ILP Member:	<b>Limagrain</b>
PCT Publication Number:	WO2011115486
EP Publication Number incl. Hyperlink:	<a href="#">EP2547196</a>
US or other national publication number:	US 9,510,527
Owner – ILP Member (Applicant, if different):	Hazera Seeds B.V (ex.Nickerson Zwaan) - Vilmorin & Cie
PCT Patent Title:	Male Sterile leek plant
Trait / Characteristic:	Plant Characteristics
Related Vegetable (primary use):	Leek

### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number: WO2012009323  
EP Publication Number incl. Hyperlink: [EP2592924](#)  
US or other national publication number: US8609928  
US8669423  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Squash Leaf Curl Virus resistance in cucurbits  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use):

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ILP Member: **Limagrain**  
PCT Publication Number: WO2012076980  
EP Publication Number incl. Hyperlink: [EP2648500](#)  
US or other national publication number: US8766054  
Owner – ILP Member (Applicant, if different): HM.Clause SA. (ex. Clause) - Vilmorin & Cie  
PCT Patent Title: Phytophthora resistance in sweet pepper  
Trait / Characteristic: Oomycete resistance  
Related Vegetable (primary use): Pepper

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ILP Member: **Limagrain**  
PCT Publication Number: WO2013156958  
EP Publication Number incl. Hyperlink: [EP2838344](#)  
US or other national publication number: US2015096076  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: High yield tomato plants  
Trait / Characteristic: Plant Characteristics  
Related Vegetable (primary use): Tomato

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ILP Member: **Limagrain**  
PCT Publication Number: WO2014128268  
EP Publication Number incl. Hyperlink: [EP2770059](#)  
US or other national publication number: US2014283191  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Resistance to arthropod pest in tomatoes  
Trait / Characteristic: Insect resistance  
Related Vegetable (primary use): Tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number: WO2014145514  
EP Publication Number incl. Hyperlink: [No number - only LINK](#)  
US or other national publication number: US2016029583  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Machine Harvestable Pepper  
Trait / Characteristic: Plant Characteristics  
Related Vegetable (primary use): Pepper

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ILP Member: **Limagrain**  
PCT Publication Number: WO2015124753 (A1)  
EP Publication Number incl. Hyperlink: [EP2910114](#)  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Resistance to geminiviruses in watermelons  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): Watermelon

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ILP Member: **Limagrain**  
PCT Publication Number: [WO2015136085](#)  
EP Publication Number incl. Hyperlink: [EP3116304](#)  
US or other national publication number: US20160374303  
Owner – ILP Member (Applicant, if different): Rijk Zwaan, Nunhems B.V., Limagrain  
PCT Patent Title: Bremia lactucae resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Limagrain**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink: [No number - only LINK](#)  
US or other national publication number: [US8669413 \(B2\)](#)  
Owner – ILP Member (Applicant, if different): HM. Clause Inc  
PCT Patent Title: BREEDING AND SELECTION FOR RESISTANCE TO MELON SEVERE MOSAIC VIRUS (MeSMV)  
Trait / Characteristic: Resistance to Mesnv  
Related Vegetable (primary use): Melon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number: WO2004095914 (A2)  
EP Publication Number incl. Hyperlink: [EP1619941 \(A2\)](#)  
US or other national publication number: US2006260001 (A1)  
Owner – ILP Member (Applicant, if different): Vilmorin S.A.  
PCT Patent Title: METHOD FOR OBTAINING RECOMBINANT PLANTS OF THE CICHORIUM GENUS AND PLANTS THUS OBTAINED  
Trait / Characteristic: Hybrid chicory  
Related Vegetable (primary use): Endivia

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ILP Member: **Limagrain**  
PCT Publication Number: WO2012131262 (A1)  
EP Publication Number incl. Hyperlink: [EP2690945 \(A1\)](#)  
US or other national publication number: [US2014096289 \(A1\)](#)  
Owner – ILP Member (Applicant, if different): Vilmorin S.A.  
PCT Patent Title: CAPSICUM ROOTSTOCK.  
Trait / Characteristic: Rootstock  
Related Vegetable (primary use): Pepper

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ILP Member: **Limagrain**  
PCT Publication Number: WO2008132310  
EP Publication Number incl. Hyperlink: [EP2114126](#)  
US or other national publication number: US8716551  
Owner – ILP Member (Applicant, if different): Vilmorin S.A.  
PCT Patent Title: Production of hybrid lactuca sativa seeds  
Trait / Characteristic: Hybrid lettuce production system  
Related Vegetable (primary use): Lettuce

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ILP Member: **Limagrain**  
PCT Publication Number: WO2010010096 (A2)  
EP Publication Number incl. Hyperlink: [No number - only LINK](#)  
US or other national publication number: US8969658 (B2)  
Owner – ILP Member (Applicant, if different): HM.Clause S.A.  
PCT Patent Title: METHOD FOR PRODUCING HAPLOID, DOUBLED HAPLOID AND/OR DIHAPLOID PLANTS BY GYNOGENESIS  
Trait / Characteristic: Dihaploid plants  
Related Vegetable (primary use): Squash

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink:  
US or other national publication number: US2016353680  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Machine Harvestable Tomatillo  
Trait / Characteristic: Plant Characteristics  
Related Vegetable (primary use): Tomatillo

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ILP Member: **Limagrain**  
PCT Publication Number: WO2017025627  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Resistance to Australian Variant of A. Candida race 9 in broccoli  
Trait / Characteristic:  
Related Vegetable (primary use):

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ILP Member: **Limagrain**  
PCT Publication Number: WO2017017266  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Multileaf lettuce of the batavia genus  
Trait / Characteristic:  
Related Vegetable (primary use):

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ILP Member: **Limagrain**  
PCT Publication Number: WO2017081205  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: Resistance to ToLCNDv in Squash  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): Squash

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Limagrain**  
PCT Publication Number: WO2017174727  
EP Publication Number incl. Hyperlink: [EP3228186](#)  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: INCREASED YIELD AND AMOUNT OF SOLUBLE SUGARS ALLOCATED TO FRUITS IN TOMATO PLANTS  
Trait / Characteristic: Plant Characteristics  
Related Vegetable (primary use): Tomato

---

ILP Member: **Limagrain**  
PCT Publication Number: WO2017114848  
EP Publication Number incl. Hyperlink: [EP3187040](#)  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: RESISTANCE TO TOLCNDV IN MELONS  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): Melon

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ILP Member: **Limagrain**  
PCT Publication Number: WO2018219941 (A1)  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: TOLERANCE IN PLANTS OF SOLANUM LYCOPERSICUM TO THE TOBAMOVIRUS TOMATO BROWN RUGOSE FRUIT VIRUS (TBRFV)  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): Tomato

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ILP Member: **Limagrain**  
PCT Publication Number: WO2018220136  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Vilmorin & Cie  
PCT Patent Title: TOMATO PLANT RESISTANT TO TOMATO YELLOW LEAF CURL VIRUS, POWDERY MILDEW, AND NEMATODES  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): Tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Limagrain</b>
PCT Publication Number:	WO2020030804
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Vilmorin & Cie
PCT Patent Title:	RESISTANCE TO XANTHOMONAS CAMPESTRIS PV. CAMPESTRIS (XCC) IN CAULIFLOWER
Trait / Characteristic:	Bacterial resistance
Related Vegetable (primary use):	Cauliflower

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**International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [wo2014118150](#)  
EP Publication Number incl. Hyperlink: [EP2950634](#)  
US or other national publication number: [US9901047B2](#) (~~[US2015366152](#)~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SOLANUM LYCOPERSICUM PLANTS HAVING PINK FRUITS  
Trait / Characteristic: fruit color  
Related Vegetable (primary use): tomato

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2014090968](#)  
EP Publication Number incl. Hyperlink: [EP2931025 B2](#)  
[EP3560331 \(A1\)](#)  
US or other national publication number: [US1003441B2](#)  
[US2015313107](#)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: MELON PLANTS WITH MELON YELLOWING ASSOCIATED VIRUS (MYAV) RESISTANCE  
Trait / Characteristic: virus resistance  
Related Vegetable (primary use): melon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2014079896](#)  
EP Publication Number incl. Hyperlink: [EP2900817](#)  
US or other national publication number: [US9832943](#)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SOLANUM LYCOPERSICUM PLANTS HAVING NON-TRANSGENIC ALTERATIONS IN THE ACS2 GENE  
Trait / Characteristic: fruit ripening  
Related Vegetable (primary use): tomato

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2014049002](#)  
EP Publication Number incl. Hyperlink: [EP2931026](#)  
US or other national publication number: [US9622430 B2](#);  
[\(US2015282446\)](#)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SOLANUM LYCOPERSICUM PLANTS HAVING NON-TRANSGENIC ALTERATIONS IN THE ACS4 GENE  
Trait / Characteristic: fruit ripening  
Related Vegetable (primary use): tomato

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**International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)



## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2013135726](#)  
EP Publication Number incl. Hyperlink: [EP2825024](#)  
US or other national publication number: [US9551008 B2](#);  
~~[\(US2015047067\)](#)~~  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: TOMATO PLANTS WITH INTENSE PHENOTYPE AND TYLCV RESISTANCE  
Trait / Characteristic: fruit flesh texture and TYLCV resistance  
Related Vegetable (primary use): Tomato

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2013127988](#)  
EP Publication Number incl. Hyperlink: [EP2819505](#)  
US or other national publication number: US9603319  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: TSWV RESISTANT CAPSICUM PLANTS  
Trait / Characteristic: TSWV resistance  
Related Vegetable (primary use): pepper

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2013120781](#)  
EP Publication Number incl. Hyperlink: [EP2814316](#)  
US or other national publication number: **US10433512 (B2)** ~~US2015040265~~  
**US10582683 (B2)** ~~US2017156278~~  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: TRIPLOID WATERMELON PLANTS WITH A BUSH GROWTH HABIT  
Trait / Characteristic: bush growth  
Related Vegetable (primary use): watermelon

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2012069539](#)  
EP Publication Number incl. Hyperlink: [EP2642845](#)  
US or other national publication number: **US10517249 (B2)** ~~US2013152223~~;  
US9763399B2 (~~US2014020139~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: DUAL PURPOSE POLLENIZER WATERMELONS  
Trait / Characteristic: pollenizer watermelon plants  
Related Vegetable (primary use): watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2010142465](#)  
EP Publication Number incl. Hyperlink: [EP2440664](#)  
US or other national publication number: [US9532520](#)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: DROUGHT TOLERANT PLANTS  
Trait / Characteristic: drought tolerance  
Related Vegetable (primary use): tomato

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2009092560](#)  
EP Publication Number incl. Hyperlink: [EP2244554](#)  
US or other national publication number: US8704045 (B2)  
US8816155 (B2)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: ONIONS WITH HIGH STORAGE ABILITY, HIGH SOLUBLE SOLIDS CONTENT AND/OR LOW PUNGENCY  
Trait / Characteristic: Pungency  
Related Vegetable (primary use): Onion

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: n/a  
EP Publication Number incl. Hyperlink:  
US or other national publication number: [NL1019887](#)  
[BE1015836](#)  
[FR0201221](#)  
[IT1341910](#)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: Cultivated Cichorium plant, useful for production of hybrid seeds and plants, has a male sterility allele at locus MS, linked to specific markers  
Trait / Characteristic: male sterility  
Related Vegetable (primary use): chicory, witlof

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## Patent Register

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2015036469  
EP Publication Number incl. Hyperlink:  
US or other national publication number: **US2019185878 (A1)** ~~US2016177330~~  
US10258002 (B2) ~~(US2017027127)~~  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SPINACH PLANTS THAT ARE RESISTANT TO DOWNY MILDEW  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Spinach

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ILP Member: **Nunhems B.V.**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink:  
US or other national publication number: US9624507 (B2)  
US10258001 (B2) ~~(US2017027126)~~  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SPINACH PLANTS THAT ARE RESISTANT TO DOWNY MILDEW  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Spinach

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2015040098  
EP Publication Number incl. Hyperlink: EP3046410  
US or other national publication number: US10212898 (B2) ~~(US2016205886)~~  
US2019014732 (A1)  
Owner – ILP Member (Applicant, if different):  
PCT Patent Title: PLANTS WITH AN INTENSE FRUIT PHENOTYPE  
Trait / Characteristic: flesh texture  
Related Vegetable (primary use): cucumber, melon, tomato

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: [WO2015136085](#)  
EP Publication Number incl. Hyperlink: [EP3116304](#)  
US or other national publication number: **US10440914 (B2)** ~~US2016374303~~  
Owner – ILP Member (Applicant, if different): Rijk Zwaan, Nunhems B.V., Limagrain  
PCT Patent Title: Bremia lactucae resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

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## Patent Register

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2015177206  
EP Publication Number incl. Hyperlink: EP3145294  
US or other national publication number: **US10362742 (B2)** (~~US2017202168~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: Melon plants with whitefly resistance  
Trait / Characteristic: insect resistance  
Related Vegetable (primary use): melon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2015185475  
EP Publication Number incl. Hyperlink: EP3151655  
**EP3574748**  
US or other national publication number: **US10334797 (B2)** (~~US2018146633~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: Melon plants with a dominant melon yellowing associated virus (MYaV) resistance gene  
Trait / Characteristic: virus resistance  
Related Vegetable (primary use): melon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2016059090  
EP Publication Number incl. Hyperlink: EP3206478  
US or other national publication number: US10306851 (B2) ~~US2017238493~~  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: YIELD QTLS IN CUCUMBER PLANTS  
Trait / Characteristic: Yield  
Related Vegetable (primary use): Cucumber

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2016059092  
EP Publication Number incl. Hyperlink: EP3206479  
US or other national publication number: US10306850 (B2) (~~US2017238492~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: YIELD QTLS IN CUCUMBER PLANTS  
Trait / Characteristic: Yield  
Related Vegetable (primary use): Cucumber

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2016066748  
EP Publication Number incl. Hyperlink: [EP3211991](#)  
US or other national publication number: US2017318770  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: LETTUCE PLANTS COMPRISING RESISTANCE AGAINST NASONOVIA RIBISNIGRI BIOTYPE 1  
Trait / Characteristic: Aphid Resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2016113329  
EP Publication Number incl. Hyperlink: EP3244726  
US or other national publication number: US2018049384  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: CITRULLUS LANATUS PRODUCING FRUITS WITH HIGH TEXTURE FRUIT FLESH  
Trait / Characteristic: flesh texture  
Related Vegetable (primary use): Watermelon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2016177696  
EP Publication Number incl. Hyperlink: [EP3291667](#)  
US or other national publication number: US2018288960 (A1)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: INTROGRESSION OF A YIELD QTL IN CUCUMIS SATIVUS PLANTS  
Trait / Characteristic: yield  
Related Vegetable (primary use): cucumber

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2017060350  
EP Publication Number incl. Hyperlink: EP3358943  
US or other national publication number: ES2667441 (B1)  
US2018310514 (A1)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: Watermelon plants with Cucumber Vein Yellowing Virus (CVYV) resistance  
Trait / Characteristic: Cucumber Vein Yellowing Virus (CVYV) resistance  
Related Vegetable (primary use): watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2017178520  
EP Publication Number incl. Hyperlink: EP3442325 (A1)  
US or other national publication number: US2019110426 (A1)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: INTROGRESSION OF TWO YIELD QTLS IN CUCUMIS SATIVUS PLANTS  
Trait / Characteristic: Yield  
Related Vegetable (primary use): cucumber

---

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2017202715  
EP Publication Number incl. Hyperlink: EP3464333 (A1)  
US or other national publication number: US10306850 (B2) (~~US2017238492~~)  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SEEDLESS FRUIT PRODUCING PLANTS  
Trait / Characteristic: Seedless  
Related Vegetable (primary use): a.o. watermelon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2018011075  
EP Publication Number incl. Hyperlink: EP3484276 (A1)  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: TOLCNDV RESISTANT MELON PLANTS  
Trait / Characteristic: Virus Resistance  
Related Vegetable (primary use): melon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2018060444  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: PARTHENO-CARPIC WATERMELON PLANTS  
Trait / Characteristic: Parthenocarpy  
Related Vegetable (primary use): Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2018193044  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: TOLCNDV RESISTANT MELON PLANTS  
Trait / Characteristic: Virus resistance  
Related Vegetable (primary use): Melon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2019034364  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: CGMMV Resistant Citrullus plants  
Trait / Characteristic: Virus resistance  
Related Vegetable (primary use): Watermelon

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2019068647  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Hild Samen GmbH  
PCT Patent Title: Complete Resistance to Downy Mildew in Basil  
Trait / Characteristic: Fungus resistance  
Related Vegetable (primary use): basil

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ILP Member: **Nunhems B.V.**  
PCT Publication Number: WO2019145446  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Nunhems B.V.  
PCT Patent Title: SPINACH PLANTS RESISTANT TO AT LEAST PERONOSPORA FARINOSA RACES 8 AND 10 TO 16  
Trait / Characteristic: Fungus resistance  
Related Vegetable (primary use): spinach

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Nunhems B.V.</b>
PCT Publication Number:	WO2019145447
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Nunhems B.V.
PCT Patent Title:	SPINACH PLANTS RESISTANT TO AT LEAST PERONOSPORA FARINOSA RACES 8, 9, 11, 13 AND 16
Trait / Characteristic:	Fungus resistance
Related Vegetable (primary use):	Spinach

---

ILP Member:	<b>Nunhems B.V.</b>
PCT Publication Number:	WO2019238832
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Nunhems B.V.
PCT Patent Title:	SEEDLESS WATERMELON PLANTS COMPRISING MODIFICATIONS IN AN ABC TRANSPORTER GENE
Trait / Characteristic:	Seedless
Related Vegetable (primary use):	Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2007039137  
EP Publication Number incl. Hyperlink: [EP1763991](#)  
[EP1926365](#)  
US or other national publication number: 20090106867  
20120210470  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Red Lettuce  
Trait / Characteristic: Red coloring in core  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2012087140  
EP Publication Number incl. Hyperlink: [EP2654407](#)  
US or other national publication number: 20130239258  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Fruit Formation In The Absence Of Fertilisation  
Trait / Characteristic: Seedless fruits  
Related Vegetable (primary use): Pepper

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2010149628  
EP Publication Number incl. Hyperlink: [EP2445332](#)  
US or other national publication number: 20120164303  
20130189419  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Fertilisation Independent Fruit Formation In Tomato  
Trait / Characteristic: Seedless fruits  
Related Vegetable (primary use): Tomato

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2012026814  
EP Publication Number incl. Hyperlink: [EP2608657](#)  
US or other national publication number: 20120054894 / 20130219566 / US20150313170  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Multileaf Spinach  
Trait / Characteristic: Multileaf  
Related Vegetable (primary use): Spinach

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2012087143  
EP Publication Number incl. Hyperlink: [EP2654409](#)  
US or other national publication number: 20120164304  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: New Celery Morphology  
Trait / Characteristic: Uniform stem size  
Related Vegetable (primary use): Celery

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO199903329  
EP Publication Number incl. Hyperlink: [EP0942643](#)  
US or other national publication number: Patent 6,320,104  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Multileaf Lettuce  
Trait / Characteristic: Multileaf  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2010023093  
EP Publication Number incl. Hyperlink: [EP2328403](#)  
US or other national publication number: 20110214197  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: White Kohlrabi  
Trait / Characteristic: White colored stem  
Related Vegetable (primary use): Brassica

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2009130307  
EP Publication Number incl. Hyperlink: [EP2111748](#)  
[EP2278872](#)  
US or other national publication number: 20110078815  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Cytoplasmic Male Sterile Rucola  
Trait / Characteristic: Male sterility  
Related Vegetable (primary use): Rucola

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2005124108  
EP Publication Number incl. Hyperlink: [EP1781793](#)  
[EP2175027](#)  
US or other national publication number: 20080256661  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Reduced Susceptibility Towards Pathogens, in Particular Comycetes, Such As Downy Mildew In Lettuce And Spinach  
Trait / Characteristic: Bremia resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2011144672  
EP Publication Number incl. Hyperlink: [EP2571347](#)  
US or other national publication number: 20130074223  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance To Post Harvest Deterioration In Cucumber  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Cucumber

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ILP Member: **Rijk Zwaan**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink: [NL1017616](#)  
US or other national publication number: -  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Brassica Oleracea Plants With Resistance To Mycosphaerella Brassicicola  
Trait / Characteristic: Mycosphaerella resistance  
Related Vegetable (primary use): Brassica

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2007077230  
EP Publication Number incl. Hyperlink: [EP1998607](#)  
[EP2484200](#)  
US or other national publication number: 20070180578  
20100287673  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance To Physiological Disorders In Lettuce  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013064641  
EP Publication Number incl. Hyperlink: [EP2589285](#)  
[EP2773184](#)  
US or other national publication number: 2013254928 (was 20130007925)  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Pepino Mosaic Virus Resistant Tomato Plant  
Trait / Characteristic: Pepino resistance  
Related Vegetable (primary use): Tomato

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2012065629  
WO2012066008  
EP Publication Number incl. Hyperlink: [EP2640183](#)  
US or other national publication number: 20120124695  
20130239250  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance To Nasonovia Ribisnigri Biotype 1 (Nr:1)  
From Lactuca Serriola  
Trait / Characteristic: Aphid resistance  
Related Vegetable (primary use): Lettuce

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2011058192  
EP Publication Number incl. Hyperlink: [EP2501220](#)  
US or other national publication number: 20110126308  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Lettuce That Is Resistant To The Lettuce Aphid  
Nasonovia Ribisnigri Biotype 1  
Trait / Characteristic: Aphid resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013156566  
EP Publication Number incl. Hyperlink: [EP2653029](#)  
US or other national publication number: 20130283479  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Thrips Resistant Cabbage  
Trait / Characteristic: Thrips resistance  
Related Vegetable (primary use): Brassica

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2010057960  
EP Publication Number incl. Hyperlink: [EP2346316](#)  
US or other national publication number: 20110277191  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance To Post Harvest Deterioration in  
Cucumber  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Cucumber

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013117623  
EP Publication Number incl. Hyperlink: [EP2534942](#)  
US or other national publication number: 20140223593  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Tomato Plant Comprising A Mutant TGHVI Allele  
Trait / Characteristic: No green staining  
Related Vegetable (primary use): Tomato

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### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)





## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014029876  
EP Publication Number incl. Hyperlink: [EP2700301](#)  
US or other national publication number: 20150164014  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Hairless Eggplant  
Trait / Characteristic: Hairless stems and leaves  
Related Vegetable (primary use): Eggplant

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013124310  
EP Publication Number incl. Hyperlink: EP2628387  
US or other national publication number: 20130269066  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: R-Genes In Coupling Phase  
Trait / Characteristic: Bremia resistance  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2011042279  
EP Publication Number incl. Hyperlink: [EP2475243](#)  
US or other national publication number: 20120216308  
20130291137  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Tomato With Improved Shelf-life  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Tomato

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2007077229  
EP Publication Number incl. Hyperlink: [EP1973396](#)  
[EP2428112](#)  
US or other national publication number: 20070180573  
20140033372  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Screening Method For Selecting Plants That Show A  
Reduced Wound-Induced Surface Discolouration  
And Plant And Plant Parts Thus Obtained  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Lettuce

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014009555  
EP Publication Number incl. Hyperlink: [EP2684449](#)  
US or other national publication number: 20150125588  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Small Seeded Corn Salad (Valerianella Locusta)  
Trait / Characteristic: Uniform seedsize  
Related Vegetable (primary use): Corn salad

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2007077231  
EP Publication Number incl. Hyperlink: [EP1988764](#)  
US or other national publication number: 20090053757  
20130237452  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Screening Method For Selecting Plants Thatshow A  
Reduced Wound-Induced Surface Discolouration  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Lettuce

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014140026  
EP Publication Number incl. Hyperlink: EP2966988  
US or other national publication number: 20160014989  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Dark Stem Cucumber Plants  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Cucumber

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014096415  
EP Publication Number incl. Hyperlink: [EP2745679](#)  
US or other national publication number: 20140182019  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Brassica Plants Resistant To Clubroot  
Trait / Characteristic: Clubroot resistance  
Related Vegetable (primary use): Brassica

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013093054  
EP Publication Number incl. Hyperlink: [EP2607487](#)  
[EP2794889](#)  
US or other national publication number: 20130191937  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance Against Peronospora Parasitica In  
Diplotaxis Tenuifolia  
Trait / Characteristic: Peronospora  
Related Vegetable (primary use): Rucola

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013064436  
EP Publication Number incl. Hyperlink: [EP2773185](#)  
US or other national publication number: 20130230635  
20140053293  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Peronospora Resistance In Spinacia Oleracea  
Trait / Characteristic: Peronospora resistance  
Related Vegetable (primary use): Spinach

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013132084  
EP Publication Number incl. Hyperlink: [EP2636301](#)  
US or other national publication number: 20130269048  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Cucumber With Increased Number Of Fruits  
Trait / Characteristic: Increased yield  
Related Vegetable (primary use): Cucumber

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2013139654  
EP Publication Number incl. Hyperlink: [EP2641467](#)  
US or other national publication number: 20130254947  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Personal Celery  
Trait / Characteristic: small sized plants  
Related Vegetable (primary use): Celery

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2014140341](#)  
EP Publication Number incl. Hyperlink: EP2966993  
US or other national publication number: 20140289907  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Tomato Spotted Wilt Virus And/Or Impatiens  
Necrotic Spot Virus Resistance In Cultivated Lettuce  
Trait / Characteristic: TWSV/INSV resistance  
Related Vegetable (primary use): Lettuce

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2014140378](#)  
EP Publication Number incl. Hyperlink: EP2966992  
US or other national publication number: 20140283223  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: High Temperature Germinating Lettuce Seeds  
Trait / Characteristic: Increased germination temperature  
Related Vegetable (primary use): Lettuce

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2014140209](#)  
EP Publication Number incl. Hyperlink: EP2966994  
US or other national publication number: 20140272083  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Red Spinach Plant  
Trait / Characteristic: Red colored leaves  
Related Vegetable (primary use): Spinach

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014108471  
EP Publication Number incl. Hyperlink: [EP2754667](#)  
US or other national publication number: 20140201859  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Reversible Genic Male Sterility In Compositae  
Trait / Characteristic: Reversible GMS  
Related Vegetable (primary use): Asteraceae

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2014140331](#)  
EP Publication Number incl. Hyperlink: EP2966989  
US or other national publication number: 20140272088  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance Against Leveillula Taurica in Pepper  
Trait / Characteristic: Leveillula resistance  
Related Vegetable (primary use): Pepper

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015000991](#)  
EP Publication Number incl. Hyperlink: EP3016504  
US or other national publication number: 20160115496  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Pepper with increased brix level  
Trait / Characteristic: Increased level of brix  
Related Vegetable (primary use): Pepper

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015000992](#)  
EP Publication Number incl. Hyperlink: EP3016503  
US or other national publication number: 20160130598  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Pepper with increased total content of terpenoids  
Trait / Characteristic: Increased total content of terpenoids  
Related Vegetable (primary use): Pepper

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015000993](#)  
EP Publication Number incl. Hyperlink: EP3016505  
US or other national publication number: 20160160225  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Pepper with novel flavor  
Trait / Characteristic: Altered taste  
Related Vegetable (primary use): Pepper

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015086726](#)  
EP Publication Number incl. Hyperlink: [EP3079460](#)  
US or other national publication number: US20160272998  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Fertilisation independent fruit formation in eggplant  
Trait / Characteristic: CMS  
Related Vegetable (primary use): Eggplant

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015136085](#)  
EP Publication Number incl. Hyperlink: [EP3116304](#)  
US or other national publication number: US20160374303  
Owner – ILP Member (Applicant, if different): Rijk Zwaan, Nunhems B.V., Limagrain  
PCT Patent Title: Bremia lactucae resistant plants  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Lettuce

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: [WO2015150560](#)  
EP Publication Number incl. Hyperlink: [EP3126504](#)  
US or other national publication number: 20170016022  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Modified gene conferring virus resistance  
Trait / Characteristic: Virus resistance  
Related Vegetable (primary use): Cucumber, melon, watermelon, carrot, beans, tomato, spinach, lettuce, brassica, beetroot

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2016026816  
EP Publication Number incl. Hyperlink: EP3182820  
US or other national publication number: 20170164570  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Tomato plants allowing the establishment of mites  
Trait / Characteristic: Plants that tolerate predatory mites for use against insects  
Related Vegetable (primary use): Tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2016041952  
EP Publication Number incl. Hyperlink: EP3194598  
US or other national publication number: 20170183682  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: High temperature seed germination  
Trait / Characteristic: Increased germination temperature  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2009007066  
EP Publication Number incl. Hyperlink: EP2011389  
US or other national publication number: US20100175142  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Method for identifying plant material that shows a reduced discolouration, plants thus identified and use of the identified plants for the production of commercial crop plants showing a reduced discolouration  
Trait / Characteristic: Increased shelflife  
Related Vegetable (primary use): Lettuce

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2014202781  
EP Publication Number incl. Hyperlink: [EP3010331](#)  
US or other national publication number: 20160100544  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Resistance against Hyaloperonospora parasitica in Diplotaxis tenuifolia  
Trait / Characteristic: Peronospora resistance  
Related Vegetable (primary use): Rucola

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2016120438  
EP Publication Number incl. Hyperlink: EP3250694  
US or other national publication number: 20170335339  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Modified gene resulting in parthenocarpic fruit set  
Trait / Characteristic: Seedless fruit  
Related Vegetable (primary use): Melon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2017005669  
EP Publication Number incl. Hyperlink: EP3316678  
US or other national publication number: 20180116145  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: White celery  
Trait / Characteristic: White celery  
Related Vegetable (primary use): Celery

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2016207432  
EP Publication Number incl. Hyperlink: EP3313171  
US or other national publication number: 20180054990  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Genetic basis for cucumber fruit having small seed cavity  
Trait / Characteristic: Small seed cavity  
Related Vegetable (primary use): Cucumber

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2017016908  
EP Publication Number incl. Hyperlink: EP3328186  
US or other national publication number: 20180103601  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: QTLs for fusarium resistance in cucumber  
Trait / Characteristic: Fusarium resistance  
Related Vegetable (primary use): Cucumber

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2017042270  
EP Publication Number incl. Hyperlink: EP3347370  
US or other national publication number: 20180184604  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Modified cullin1 gene  
Trait / Characteristic: Compact growth  
Related Vegetable (primary use): Cucumber

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017054938
EP Publication Number incl. Hyperlink:	EP3355687
US or other national publication number:	20180223307
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Copy number variant leading to virus resistance
Trait / Characteristic:	Virus resistance
Related Vegetable (primary use):	Cucumber

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017072300
EP Publication Number incl. Hyperlink:	EP3367782
US or other national publication number:	20180298395
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Tomato plant producing fruits that comprise beneficial compounds
Trait / Characteristic:	Beneficial compounds
Related Vegetable (primary use):	Tomato

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017084724
EP Publication Number incl. Hyperlink:	EP3376853
US or other national publication number:	9,402,363
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Peronospora resistance in spinacia oleracea
Trait / Characteristic:	Downy mildew resistance
Related Vegetable (primary use):	Spinach

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017134297
EP Publication Number incl. Hyperlink:	EP3410844
US or other national publication number:	20190021271
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	QTLs conferring resistance to potyviruses in watermelon
Trait / Characteristic:	Resistance to Potyviruses
Related Vegetable (primary use):	Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017144669
EP Publication Number incl. Hyperlink:	EP3419416
US or other national publication number:	20190136255
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Plants showing a reduced wound-induced surface discoloration
Trait / Characteristic:	Shelflife
Related Vegetable (primary use):	Lettuce

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2017194073
EP Publication Number incl. Hyperlink:	EP3454645
US or other national publication number:	20170327839
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Non R-gene mediated resistance
Trait / Characteristic:	Disease resistance
Related Vegetable (primary use):	Spinach

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018010803
EP Publication Number incl. Hyperlink:	EP3484279
US or other national publication number:	20190223402
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Eggplant producing seeds with a novel colour
Trait / Characteristic:	Seed colour
Related Vegetable (primary use):	Eggplant

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018050766
EP Publication Number incl. Hyperlink:	EP3512331
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Red vein endive plant
Trait / Characteristic:	Leaf colour
Related Vegetable (primary use):	Cichorium

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018050765
EP Publication Number incl. Hyperlink:	EP3512330
US or other national publication number:	20190225984
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	QTL contributing to whitefly resistance in cucumis melo
Trait / Characteristic:	White fly resistance
Related Vegetable (primary use):	Melon

---

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018059718
EP Publication Number incl. Hyperlink:	EP3518660
US or other national publication number:	20190110422
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Peronospora resistance in spinacia oleracea
Trait / Characteristic:	Peronospora resistance
Related Vegetable (primary use):	Spinach

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018059651
EP Publication Number incl. Hyperlink:	EP3410845
US or other national publication number:	20190127753
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Method for modifying the resistance profile of spinacia oleracea to downy mildew
Trait / Characteristic:	Peronospora resistance
Related Vegetable (primary use):	Spinach

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018059653
EP Publication Number incl. Hyperlink:	EP3518659
US or other national publication number:	20190233841
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Peronospora resistance in spinacia oleracea
Trait / Characteristic:	Peronospora resistance
Related Vegetable (primary use):	Spinach

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018185340
EP Publication Number incl. Hyperlink:	EP3606334
US or other national publication number:	20200056201
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Angular leaf spot ( <i>Pseudomonas</i> ) resistance in cucumber
Trait / Characteristic:	<i>Pseudomonas</i> resistance
Related Vegetable (primary use):	Cucumber

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2018219861
EP Publication Number incl. Hyperlink:	EP3629706
US or other national publication number:	20200131527
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Tomato leaf curl new delhi virus (ToLCNDV) resistant melons
Trait / Characteristic:	ToLCNDV resistance
Related Vegetable (primary use):	Melon

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	
EP Publication Number incl. Hyperlink:	EP3427575
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Endive plant that shows reduced browning
Trait / Characteristic:	Shelflife
Related Vegetable (primary use):	Cichorium

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ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2019016323
EP Publication Number incl. Hyperlink:	EP3654764
US or other national publication number:	20200199613
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Genetic basis for <i>Pythium</i> resistance
Trait / Characteristic:	<i>Pythium</i> resistance
Related Vegetable (primary use):	Cucumber

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2019063839  
EP Publication Number incl. Hyperlink:  
US or other national publication number: 20190218571  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: CMV resistance allele  
Trait / Characteristic: CMV resistance  
Related Vegetable (primary use): Spinach

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ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2019110130  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: TBRFV resistant tomato plants  
Trait / Characteristic: TBRFV resistance  
Related Vegetable (primary use): Tomato

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2020025632  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: Mutant allele of the ACO2 gene (Maleness in cucumber ACO2 gene)  
Trait / Characteristic: Male flowering  
Related Vegetable (primary use): Cucumber

---

ILP Member: **Rijk Zwaan**  
PCT Publication Number: WO2020025631  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Rijk Zwaan  
PCT Patent Title: CYSDV resistance in members of the cucurbitaceae family  
Trait / Characteristic: CYSDV resistance  
Related Vegetable (primary use): Melon

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### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)



## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Rijk Zwaan</b>
PCT Publication Number:	WO2020128044
EP Publication Number incl. Hyperlink:	
US or other national publication number:	20200199615
Owner – ILP Member (Applicant, if different):	Rijk Zwaan
PCT Patent Title:	Peronospora resistance in spinacia oleracea
Trait / Characteristic:	Downy mildew resistance
Related Vegetable (primary use):	Spinach

### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)



## **Patent Register**

Version 06072020 – revised version

ILP Member: **Sakata Seed Corporation**  
PCT Publication Number: WO2007049730  
EP Publication Number incl. Hyperlink: [EP1950290](#) [EP2944692](#)  
US or other national publication number: [US8058505](#) [AU2006307069B2](#) [BRPI0618023](#)  
[CN101522896B](#) [EG26029](#) [IN247408](#) [JP04139429](#)  
[KR1106932](#) [MX278996](#)  
Owner – ILP Member (Applicant, if different): Sakata Seed Corporation  
PCT Patent Title: CYTOPLASMIC HYBRID PLANT BELONGING TO THE GENUS LACTUCA AND METHOD FOR PRODUCTION THEREOF  
Trait / Characteristic: cytoplasmic male sterility  
Related Vegetable (primary use): Lettuce

---

ILP Member: **Sakata Seed Corporation**  
PCT Publication Number: -  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: JP05964046  
Owner – ILP Member (Applicant, if different): Sakata Seed Corporation  
PCT Patent Title: NEW TOMATO ROOTSTOCK, AND TOMATO GRAFTED SEEDLING USING THE SAME  
Trait / Characteristic: Potato leaf morphological marker for grafting  
Related Vegetable (primary use): Tomato

---

ILP Member: **Sakata Seed Corporation**  
PCT Publication Number: -  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: [US9198364](#)  
Owner – ILP Member (Applicant, if different): ALF CHRISTIANSON SEED COMPANY  
PCT Patent Title: DOWNY MILDEW RESISTANCE IN TABLE BEET  
Trait / Characteristic: Downy mildew resistance  
Related Vegetable (primary use): Beet

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## Patent Register

Version 06072020 – revised version

ILP Member:	<b>Sakata Seed Corporation</b>
PCT Publication Number:	-
EP Publication Number incl. Hyperlink:	-
US or other national publication number:	DK201670798 (A1) JP2017074009 (A) US2017105382 (A1)
Owner – ILP Member (Applicant, if different):	Sakata Seed Corporation
PCT Patent Title:	NOVEL SPINACH AND METHOD FOR PRODUCING THE SAME
Trait / Characteristic:	having solid petioles at harvest
Related Vegetable (primary use):	Spinach

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ILP Member:	<b>Sakata Seed Corporation</b>
PCT Publication Number:	WO2018/085646
EP Publication Number incl. Hyperlink:	
US or other national publication number:	AU2017355483A1 US20170071147A1
Owner – ILP Member (Applicant, if different):	Sakata Seed Corporation
PCT Patent Title:	PURPLE BABY BROCCOLI
Trait / Characteristic:	Purple colour
Related Vegetable (primary use):	Broccoli

---

ILP Member:	<b>Sakata Seed Corporation</b>
PCT Publication Number:	WO2020013190A1
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Sakata Seed Corporation
PCT Patent Title:	S-Methylmethionine-rich brassica oleracea plant
Trait / Characteristic:	S-Methylmethionine-rich
Related Vegetable (primary use):	Broccoli

---

ILP Member:	<b>Sakata Seed Corporation</b>
PCT Publication Number:	WO2019163954A1
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Sakata Seed Corporation
PCT Patent Title:	Self-compatible brassica oleracea plant and method for growing same
Trait / Characteristic:	Self-compatible
Related Vegetable (primary use):	Broccoli





## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Sakata Seed Corporation</b>
PCT Publication Number:	WO2019050042A1
EP Publication Number incl. Hyperlink:	
US or other national publication number:	
Owner – ILP Member (Applicant, if different):	Sakata Seed Corporation
PCT Patent Title:	Downy mildew resistant cabbage and cultivation method therefor
Trait / Characteristic:	Downy mildew resistant
Related Vegetable (primary use):	Cabbage

**International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: [mail@ILP-vegetable.org](mailto:mail@ILP-vegetable.org) • Website: [www.ILP-vegetable.org](http://www.ILP-vegetable.org)



## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Semillas Fitó S.A.U.</b>
PCT Publication Number:	WO2009112546
EP Publication Number incl. Hyperlink:	<a href="#">EP2255006</a>
US or other national publication number:	ES2336180
Owner – ILP Member (Applicant, if different):	Semillas Fitó
PCT Patent Title:	<a href="#">PROCESS FOR PRODUCING TOMATO PLANTS WITH LONG-LIFE CHARACTERISTICS</a>
Trait / Characteristic:	Long shelf life
Related Vegetable (primary use):	Tomato

---

ILP Member:	<b>Semillas Fitó S.A.U.</b>
PCT Publication Number:	<a href="#">WO2017/186920 A1</a>
EP Publication Number incl. Hyperlink:	<a href="#">EP3238533</a>
US or other national publication number:	Does not apply
Owner – ILP Member (Applicant, if different):	Semillas Fitó
PCT Patent Title:	Begomovirus-resistant Melon Plants
Trait / Characteristic:	Resistance to ToLCNDV
Related Vegetable (primary use):	Melon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2011020797  
EP Publication Number incl. Hyperlink: [EP2467487](#)  
US or other national publication number: US-2012-0225151  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: DISEASE RESISTANT TOMATO PLANTS  
Trait / Characteristic: B. cinerea resistance  
Related Vegetable (primary use): Tomato

---

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2011051120  
EP Publication Number incl. Hyperlink: [EP2494055](#)  
US or other national publication number: US-2012-0204284  
US-2015-0237817  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: TOMATO FRUIT HAVING INCREASED FIRMNESS  
Trait / Characteristic: Fruit firmness and texture  
Related Vegetable (primary use): Tomato

---

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2013153237  
EP Publication Number incl. Hyperlink: EP2871936  
US or other national publication number: US-2015-0082476  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: QTL RESPONSIBLE FOR TOMATO FRUIT FIRMNESS  
Trait / Characteristic: Fruit firmness and texture  
Related Vegetable (primary use): Tomato

---

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2012041856  
EP Publication Number incl. Hyperlink: [EP2621943](#)  
US or other national publication number: US-2014-0137296  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: MODULATION OF SOLANACEAE FRUIT RIPENING  
Trait / Characteristic: Fruit firmness and texture  
Related Vegetable (primary use): Tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Syngenta Crop Protection AG</b>
PCT Publication Number:	WO2003105568
EP Publication Number incl. Hyperlink:	<a href="#">EP1515600</a>
US or other national publication number:	US7851680 US9185857
Owner – ILP Member (Applicant, if different):	Syngenta Crop Protection AG Syngenta Participations AG)
PCT Patent Title:	FLAVONOL EXPRESSING DOMESTICATED TOMATO AND METHOD OF PRODUCTION
Trait / Characteristic:	Flavonol content
Related Vegetable (primary use):	Tomato

---

ILP Member:	<b>Syngenta Crop Protection AG</b>
PCT Publication Number:	WO2008135510
EP Publication Number incl. Hyperlink:	<a href="#">EP2140023</a>
US or other national publication number:	US-2010-0122383 US-2010-0115654
Owner – ILP Member (Applicant, if different):	Syngenta Crop Protection AG (Syngenta Participations AG)
PCT Patent Title:	INSECT RESISTANT PLANT
Trait / Characteristic:	Insect resistance
Related Vegetable (primary use):	Pepper

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ILP Member:	<b>Syngenta Crop Protection AG</b>
PCT Publication Number:	WO2008/152134
EP Publication Number incl. Hyperlink:	<a href="#">EP2166833</a> EP2517552
US or other national publication number:	US8492619 US-2016-0198667
Owner – ILP Member (Applicant, if different):	Syngenta Crop Protection AG (Syngenta Participations AG)
PCT Patent Title:	IMPROVED PEPPER PLANT
Trait / Characteristic:	Seedlessness
Related Vegetable (primary use):	Pepper

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2009098983  
EP Publication Number incl. Hyperlink: [EP2245922](#)  
US or other national publication number: US-2010-0333228  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: PLANT CAPABLE OF BEARING SEEDLESS FRUITS AND  
METHOD OF PRODUCING VARIETY BEARING  
SEEDLESS FRUITS  
Trait / Characteristic: Seedlessness  
Related Vegetable (primary use): Pepper

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2013034747  
EP Publication Number incl. Hyperlink: [EP2753168](#)  
US or other national publication number: US-2014-0230102  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NEW PEPPER PLANTS AND FRUITS WITH IMPROVED  
NUTRITIONAL VALUE  
Trait / Characteristic: Improved Color  
Related Vegetable (primary use): Pepper

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2005015984  
EP Publication Number incl. Hyperlink: [EP1553817](#)  
US or other national publication number: US7642423  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NOVEL PEPPER PLANTS  
Trait / Characteristic: Improved Shelflife  
Related Vegetable (primary use): Pepper

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2009000736  
EP Publication Number incl. Hyperlink: [EP2164970](#)  
US or other national publication number: 12/451996  
14/109091  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: F. OXYSPORUM F.SP. MELONIS RACE 1,2-RESISTANT  
MELONS  
Trait / Characteristic: Fusarium resistance  
Related Vegetable (primary use): Melon

---

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2005068637  
EP Publication Number incl. Hyperlink: [EP1587933](#)  
US or other national publication number: 12/549728  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NOVEL MELON PLANTS  
Trait / Characteristic: Sweet & Sour melon  
Related Vegetable (primary use): Melon

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2003096798  
EP Publication Number incl. Hyperlink: [EP1503621](#)  
US or other national publication number: 11/854362  
10/795609  
10/937705  
10/145980  
10/514096  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: TETRAPLOID WATERMELONS PRODUCING SMALL  
FRUITS  
Trait / Characteristic: Seedlessness  
Related Vegetable (primary use): Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2003075641  
EP Publication Number incl. Hyperlink: [EP1487256](#)  
[EP2255614](#)  
US or other national publication number: 12/360991  
10/091154  
10/349509  
10/933791  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: ENHANCED POLLENIZER AND METHODS FOR  
INCREASING SEEDLESS WATERMELON YIELD  
Trait / Characteristic: Seedlessness (Super-Pollenizer)  
Related Vegetable (primary use): Watermelon

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2010111031  
EP Publication Number incl. Hyperlink: [EP2410836](#)  
US or other national publication number: 13/101627  
12/719157  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: METHOD OF PLANTING TRIPLOID SEEDLESS  
WATERMELON SEEDS AND ENHANCED  
WATERMELON POLLENIZER SEEDS FOR PRODUCING  
WATERMELON TRANSPLANTS  
Trait / Characteristic: Seedlessness  
Related Vegetable (primary use): Watermelon

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2013173222  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: 14/098266  
13/762002  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: METHODS AND COMPOSITIONS FOR THE INHIBITION  
OF MERISTEMATIC GROWTH ON CUCURBIT  
ROOTSTOCK  
Trait / Characteristic: Rootstock trait  
Related Vegetable (primary use): Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2007084299  
EP Publication Number incl. Hyperlink: [EP1973397](#)  
US or other national publication number: ABANDONED  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NOVEL CUCURBITA PLANTS  
Trait / Characteristic: CMV-2 resistance  
Related Vegetable (primary use): Squash

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2012143391  
EP Publication Number incl. Hyperlink: [EP2699080](#)  
US or other national publication number: 14/112657  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: CUCURBITA PLANT RESISTANT TO POTYVIRUS  
Trait / Characteristic: Potyvirus resistance  
Related Vegetable (primary use): Squash

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2004/013334  
EP Publication Number incl. Hyperlink: [EP1525317](#); [EP2302061](#)  
US or other national publication number: US13/114176 now issued as US9295207  
US8013209  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: CLUBROOT RESISTANT BRASSICA OLERACEA PLANTS  
Trait / Characteristic: Clubroot resistance  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2008/084329  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: US8173862, US8044267, US8247655 all abandoned  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NOVEL RUCOLA PLANTS WITH CYTOPLASMIC MALE  
STERILITY (CMS)  
Trait / Characteristic: Rucola CMS  
Related Vegetable (primary use): Leafy

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2011/003783  
EP Publication Number incl. Hyperlink: [EP2451269](#)  
US or other national publication number: US-2012-0117683  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: PLANT RESISTANT TO A PATHOGEN  
Trait / Characteristic: Bremia resistant lettuce  
Related Vegetable (primary use): Leafy

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2012/085085  
EP Publication Number incl. Hyperlink: [EP2654406](#)  
US or other national publication number: US-2013-0266719  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NEW LETTUCE PLANT  
Trait / Characteristic: Non-heading lettuce  
Related Vegetable (primary use): Leafy

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2011/036108  
EP Publication Number incl. Hyperlink: [EP2480065](#)  
US or other national publication number: US-2012-0185960  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: BRASSICA OLERACEA PLANTS RESISTANT TO ALBUGO  
CANDIDA  
Trait / Characteristic: Albugo resistant Brassica  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2006/131291  
EP Publication Number incl. Hyperlink: [EP1887853](#)  
US or other national publication number: US8680365, US14/172089, US7759550  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NOVEL BRASSICA PLANTS  
Trait / Characteristic: Long stem cauliflower  
Related Vegetable (primary use): Brassica

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2012/084702  
EP Publication Number incl. Hyperlink: [EP2654408](#)  
US or other national publication number: US-2013-0312140-A1  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: NEW BROCCOLI PLANT AND USE THEREOF  
Trait / Characteristic: Multifloret broccoli  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2009/062645  
EP Publication Number incl. Hyperlink: [EP2214473](#)  
US or other national publication number: US-2011-0003033 now issued as US8754288  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: METHOD FOR THE PRODUCTION OF PINK COLORED  
CABBAGE  
Trait / Characteristic: Pink cabbage  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2011/161466  
EP Publication Number incl. Hyperlink: [EP2585478](#)  
US or other national publication number: US-2013-0117879-A1  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: PLANT EUKARYOTIC TRANSLATION INITIATION  
FACTOR 4E  
Trait / Characteristic: TuMV resistant plants  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2013/127809  
EP Publication Number incl. Hyperlink: EP2820037 (link to follow)  
US or other national publication number: US-2015-0240255  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: MODULATION OF SEED VIGOR  
Trait / Characteristic: Improved seed vigor in Brassica  
Related Vegetable (primary use): Brassica

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2015/102810  
EP Publication Number incl. Hyperlink:  
US or other national publication number: US2015181823  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: Methods and compositions for production of  
watermelon fruit  
Trait / Characteristic: Seedlessness  
Related Vegetable (primary use): Watermelon

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO 2005/074671  
EP Publication Number incl. Hyperlink: EP1708562  
US or other national publication number: US 8,163,478, US 8,357,837  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: Improved fertility restoration for ogura cytoplasmic  
male sterile Brassica and method  
Trait / Characteristic: CMS  
Related Vegetable (primary use): Brassica

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ILP Member: **Syngenta Crop Protection AG**  
PCT Publication Number: WO2018114859  
EP Publication Number incl. Hyperlink:  
US or other national publication number:  
Owner – ILP Member (Applicant, if different): Syngenta Crop Protection AG  
(Syngenta Participations AG)  
PCT Patent Title: Prolific Flowering Watermelon  
Trait / Characteristic: improved flowering  
Related Vegetable (primary use): Watermelon

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2014136768
EP Publication Number incl. Hyperlink:	<a href="#">EP2966167A1</a>
US or other national publication number:	JP6299030B
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	PRSV-RESISTANT CUCUMBER, AND METHOD FOR PRODUCING CUCUMBER EXHIBITING RESISTANCE TO PRSV AND ZYMV
Trait / Characteristic:	PRSV Resistance
Related Vegetable (primary use):	cucumber

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ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2015002318
EP Publication Number incl. Hyperlink:	<a href="#">EP3018205A1</a>
US or other national publication number:	US10244691B JP6412497B KR20160027158A MX2016000159A
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	ROOT-KNOT NEMATODE RESISTANCE MARKER FOR TOMATO PLANT, ROOT-KNOT NEMATODE RESISTANT TOMATO PLANT, PRODUCTION METHOD FOR ROOT-KNOT NEMATODE RESISTANT TOMATO PLANT, AND SCREENING METHOD FOR ROOT-KNOT NEMATODE RESISTANT TOMATO PLANT
Trait / Characteristic:	Root-Knot Nematode Resistance
Related Vegetable (primary use):	tomato

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ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	-
EP Publication Number incl. Hyperlink:	-
US or other national publication number:	JP4873774B
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	TOMATO GRAFT SEEDLING AND TOMATO FOR ROOTSTOCK TO BE USED FOR THE SEEDLING
Trait / Characteristic:	green stem color morphological marker for grafting
Related Vegetable (primary use):	tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member: **Takii & Co., Ltd.**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: JP4795734B  
Owner – ILP Member (Applicant, if different): Takii & Co., Ltd.  
PCT Patent Title: DAUCUS CAROTA L. HAVING HIGH ANTIOXIDANT COMPONENT  
Trait / Characteristic: anti-oxidation composition  
Related Vegetable (primary use): carrot

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ILP Member: **Takii & Co., Ltd.**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: JP4256687B  
Owner – ILP Member (Applicant, if different): Takii & Co., Ltd.  
PCT Patent Title: METHOD FOR GROWING NOVEL ORNAMENTAL CABBAGE VARIETY  
Trait / Characteristic: glossy-leaf  
Related Vegetable (primary use): ornamental kale

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ILP Member: **Takii & Co., Ltd.**  
PCT Publication Number:  
EP Publication Number incl. Hyperlink: -  
US or other national publication number: JP6153245B  
Owner – ILP Member (Applicant, if different): Takii & Co., Ltd.  
PCT Patent Title: BROWN SPOT-RESISTANT CUCUMBER PLANTS, AND METHOD FOR PRODUCING BROWN SPOT-RESISTANT CUCUMBER PLANTS AND POWDERY MILDEW-RESISTANT CUCUMBER PLANTS  
Trait / Characteristic: Corynespora cassicola Resistance  
Related Vegetable (primary use): cucumber

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2015108185
EP Publication Number incl. Hyperlink:	EP3095863A4
US or other national publication number:	US20170002376A JP6191996B KR20160108516A IL246179D
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd. And Incorporated Administrative Agency National Agriculture and Food Research Organization
PCT Patent Title:	Parthenocarpy regulation gene and use thereof
Trait / Characteristic:	Parthenocarpy regulation gene Polynucleotide sequence of the gene Encoded amino acid sequence of the gene Selection method of the pathenocarpy plants Method of the gene modification
Related Vegetable (primary use):	egg plant, tomato and peper

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ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	-
EP Publication Number incl. Hyperlink:	-
US or other national publication number:	<b>JP6718659B (JP2015231366A)</b>
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	The screening methods of late bolting parental lines of F1 varieties in Brassicaceae, and breeding methods with it.
Trait / Characteristic:	late bolting
Related Vegetable (primary use):	Brassicaceae Raphanus, Brassicaceae Brassica, Brassicaceae Sinapis

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ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2016/174795
EP Publication Number incl. Hyperlink:	EP3290526A1
US or other national publication number:	JP6527746 KR20170141235A
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	MARKER FOR LEAF MOLD RESISTANCE IN TOMATO PLANT, LEAF MOLD-RESISTANT TOMATO PLANT, METHOD FOR PRODUCING LEAF MOLD-RESISTANT TOMATO PLANT, AND METHOD FOR SCREENING FOR LEAF MOLD-RESISTANT TOMATO PLANT
Trait / Characteristic:	Leaf mold resistance
Related Vegetable (primary use):	tomato

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### **International Licensing Platform Vegetable**

Patent Register – Version 06072020 – revised version

Telephone: +31 70 318 00 35

Email: mail@ILP-vegetable.org • Website: www.ILP-vegetable.org



## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2017/081876
EP Publication Number incl. Hyperlink:	
US or other national publication number:	US20180325057A JP2017086016A ES2691593B TR201806450T
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	Powdery Mildew Resistance Marker for Melon Plants, Powdery Mildew Resistant Melon Plant, and Method for Producing Powdery Mildew Resistant Melon Plant Using the Same
Trait / Characteristic:	Powdery mildew resistance
Related Vegetable (primary use):	Melon

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ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	-
EP Publication Number incl. Hyperlink:	-
US or other national publication number:	<b>JP2017-212980A</b>
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	MARKER FOR Verticillium dahliae RESISTANCE IN TOMATO PLANT, Verticillium dahliae-RESISTANT TOMATO PLANT, METHOD FOR PRODUCING Verticillium dahliae-RESISTANT TOMATO PLANT, AND METHOD FOR SCREENING FOR Verticillium dahliae-RESISTANT TOMATO PLANT
Trait / Characteristic:	Verticillium dahliae resistance
Related Vegetable (primary use):	tomato

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## **Patent Register**

Version 06072020 – revised version

ILP Member:	<b>Takii &amp; Co., Ltd.</b>
PCT Publication Number:	WO2019026924
EP Publication Number incl. Hyperlink:	<b><u>EP3663402A</u></b>
US or other national publication number:	JP6306252B CN109661478A KR20190045190A CA3070721A MX2019002442A
Owner – ILP Member (Applicant, if different):	Takii & Co., Ltd.
PCT Patent Title:	POWDERY MILDEW RESISTANCE MARKER OF CUCURBITA MAXIMA, POWDERY-MILDEW-RESISTANT CUCURBITA MAXIMA, METHOD FOR PRODUCING POWDERY-MILDEW-RESISTANT CUCURBITA MAXIMA IN WHICH SAME IS USED, AND METHOD FOR IMPARTING POWDERY MILDEW RESISTANCE TO CUCURBITA MAXIMA
Trait / Characteristic:	Powdery mildew resistance
Related Vegetable (primary use):	Pumpkin

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