

Title (en)

SOYBEAN HAVING EPISTATIC GENES AFFECTING YIELD

Title (de)

SOJABOHNEN MIT EPISTATISCHEN GENEN, WELCHE DEN ERTRAG BEINFLUSSEN

Title (fr)

SOJA POSSEDANT DES GENES EPISTATIQUES INFLUENCANT LE RENDEMENT

Publication

EP 1006781 A4 20020320 (EN)

Application

EP 98920117 A 19980501

Priority

- US 9808866 W 19980501
- US 4542197 P 19970502
- US 7028198 A 19980430

Abstract (en)

[origin: WO9849887A1] A method of plant breeding applicable to self-pollinating plants, and plants produced by use of the method, includes the use of molecular markers linked to interacting loci that affect traits of agronomic value. The method allows one to identify a first molecular marker linked to a quantitative trait locus (QTL) and a second molecular marker linked to a modifying locus having an epistatic effect in combination with the QTL. Conventional breeding steps can then be used to introgress the interacting loci into other plant varieties.

IPC 1-7

A01H 1/02; **A01H 5/00**; **A01H 5/10**; **C12Q 1/68**; **A01H 1/04**

IPC 8 full level

A01H 1/04 (2006.01); **A01H 5/10** (2018.01); **C12Q 1/68** (2006.01)

CPC (source: EP US)

A01H 5/10 (2013.01 - EP US); **A01H 6/542** (2018.04 - EP US); **C12Q 1/6895** (2013.01 - EP); **C12Q 2600/13** (2013.01 - EP); **C12Q 2600/156** (2013.01 - EP)

Citation (search report)

- [XA] WO 9712059 A1 19970403 - PIONEER HI BRED INT [US]
- [XA] US 5491081 A 19960213 - WEBB DAVID M [US]
- [XA] MANSUR L M ET AL: "INTERVAL MAPPING OF QUANTITATIVE TRAIT LOCI FOR REPRODUCTIVE, MORPHOLOGICAL, AND SEED TRAITS OF SOYBEAN (GLYCINE MAX L.)", THEORETICAL AND APPLIED GENETICS, SPRINGER, BERLIN, DE, vol. 86, no. 8, September 1993 (1993-09-01), pages 907 - 913, XP000874256, ISSN: 0040-5752
- See references of WO 9849887A1

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DOCDB simple family (application)

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