Title (en)

HO/LL CANOLA WITH RESISTANCE TO CLUBROOT DISEASE

Title (de)

HO/LL-RAPS MIT RESISTENZ GEGEN KOHLHERNIE

Title (fr)

CANOLA HO/LL AYANT UNE RÉSISTANCE À L'HERNIE

Publication

EP 2761031 A4 20150923 (EN)

Application

EP 12836020 A 20120927

Priority

- US 201113246757 A 20110927
- US 2012057574 W 20120927

Abstract (en)

[origin: WO2013049356A2] This disclosure concerns a plant of the genus, Brassica, or parts thereof, which comprise one or more traits selected from the group consisting of high oleic acid content, low linolenic acid content, increased herbicide resistance, restorer of cytoplasmic male sterility, and increased clubroot disease (Plasmodiophora brassicae) resistance, compared to a wild-type plant of the same species. This disclosure further relates to wild-type and mutant alleles of genes involved in these traits, molecular markers linked thereto, and methods of their use.

IPC 8 full level

C12Q 1/68 (2006.01); **A01H 5/10** (2018.01); **C12N 15/29** (2006.01); **C12N 15/82** (2006.01)

CPC (source: CN EP RU US)

A01H 1/02 (2013.01 - CN); **A01H 1/045** (2021.01 - CN EP RU US); **A01H 5/10** (2013.01 - CN EP RU US); **A01H 6/202** (2018.04 - CN EP RU US); **A23D 9/00** (2013.01 - EP); **C12N 9/001** (2013.01 - CN EP); **C12N 9/0083** (2013.01 - EP); **C12N 15/8247** (2013.01 - CN RU); **C12N 15/8279** (2013.01 - EP); **C12N 15/8282** (2013.01 - CN EP); **C12Q 1/6895** (2013.01 - CN RU); **C12Y 103/01035** (2013.01 - CN EP); **C12Y 114/99** (2013.01 - EP); C12N 15/00 (2013.01 - RU); C12N 15/11 (2013.01 - RU); C12N 15/8279 (2013.01 - RU); C12Q 2600/13 (2013.01 - CN); C12Q 2600/156 (2013.01 - CN)

Citation (search report)

- [X] US 2006248611 A1 20061102 - HU XUEYI [US], et al
- [X] CN 101824472 A 20100908 - UNIV HUAZHONG AGRICULTURAL
- [XI] XUEYI HU ET AL: "Mapping of the loci controlling oleic and linolenic acid contents and development of fad2 and fad3 allele-specific markers in canola (Brassica napus L.)", THEORETICAL AND APPLIED GENETICS ; INTERNATIONAL JOURNAL OF PLANT BREEDING RESEARCH, SPRINGER, BERLIN, DE, vol. 113, no. 3, 10 June 2006 (2006-06-10), pages 497 - 507, XP019417730, ISSN: 1432-2242, DOI: 10.1007/S00122-006-0315-1
- See references of WO 2013049356A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013049356 A2 20130404; **WO 2013049356 A3 20130718**; AR 088076 A1 20140507; AR 117195 A2 20210721; AR 122413 A2 20220907; CA 2849470 A1 20130404; CL 2014000738 A1 20140801; CL 2017002855 A1 20180420; CN 104185684 A 20141203; CN 104185684 B 20170801; CN 107190084 A 20170922; CN 107190084 B 20220218; EP 2761031 A2 20140806; EP 2761031 A4 20150923; EP 3447151 A1 20190227; HK 1205196 A1 20151211; RU 2014117034 A 20151110; RU 2017114351 A 20190128; RU 2017114351 A3 20190128; RU 2618846 C2 20170511; RU 2711934 C2 20200123; TW 201321517 A 20130601

DOCDB simple family (application)

US 2012057574 W 20120927; AR P120103589 A 20120927; AR P190103347 A 20191114; AR P210100931 A 20210408; CA 2849470 A 20120927; CL 2014000738 A 20140325; CL 2017002855 A 20171110; CN 201280058249 A 20120927; CN 201710574479 A 20120927; EP 12836020 A 20120927; EP 18199582 A 20120927; HK 15105027 A 20150527; RU 2014117034 A 20120927; RU 2017114351 A 20120927; TW 101135623 A 20120927