

Title (en)

INCREASE IN MEIOTIC RECOMBINATION IN PLANTS BY INHIBITING THE FANCM PROTEIN

Title (de)

ZUNAHME DER MEIOTISCHEN REKOMBINATION BEI PFLANZEN DURCH HEMMUNG DES FANCM-PROTEINS

Title (fr)

AUGMENTATION DE LA RECOMBINAISON MEIOTIQUE CHEZ LES PLANTES PAR INHIBITION DE LA PROTEINE FANCM

Publication

EP 2755995 A1 20140723 (FR)

Application

EP 12778802 A 20120914

Priority

- FR 1158262 A 20110916
- IB 2012054813 W 20120914

Abstract (en)

[origin: WO2013038376A1] The invention relates to a method for increasing the frequency of meiotic recombination in plants by deactivating the FANCM protein, in particular by mutagenesis or silencing of the FANCM gene coding for said protein. The present invention can be used in particular in the field of improving plants and genetic mapping.

IPC 8 full level

C07K 14/415 (2006.01); **A01H 5/00** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP US)

C07K 14/415 (2013.01 - EP US); **C12N 15/8241** (2013.01 - EP US); **C12N 15/8261** (2013.01 - US)

Citation (search report)

See references of WO 2013038376A1

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 2013038376 A1 20130321; AU 2012310107 A1 20140410; AU 2012310107 B2 20170831; BR 112014005969 A2 20170613; BR 112014005969 A8 20170912; CA 2848976 A1 20130321; EP 2755995 A1 20140723; FR 2980212 A1 20130322; IL 231471 A0 20140430; US 2014289902 A1 20140925

DOCDB simple family (application)

IB 2012054813 W 20120914; AU 2012310107 A 20120914; BR 112014005969 A 20120914; CA 2848976 A 20120914; EP 12778802 A 20120914; FR 1158262 A 20110916; IL 23147114 A 20140312; US 201214343838 A 20120914