

Title (en)
USE OF ASSOCIATIONS BETWEEN AT LEAST ONE NUCLEIC SEQUENCE POLYMORPHISM OF THE SH2 GENE AND AT LEAST ONE SEED QUALITY CHARACTERISTIC IN PLANT SELECTION METHODS

Title (de)
VERWENDUNG DER ASSOZIATION ZWISCHEN POLYMORPHISMEN DES SH2 GENS UND QUALITÄTSEIGENSCHAFTEN VON SAMEN ZUR SELEKTION VON PFLANZEN

Title (fr)
UTILISATION D'ASSOCIATIONS ENTRE POLYMORPHISMES DU GENE SH2 ET DES CARACTERISTIQUES DE QUALITE DE LA GRAINE POUR LA SELECTION DE PLANTES

Publication
EP 1421219 A2 20040526 (FR)

Application
EP 02772507 A 20020816

Priority
• FR 0202898 W 20020816
• FR 0110906 A 20010817

Abstract (en)
[origin: WO03016564A2] The invention relates to the use of a probe or a nucleotide primer in a method of selecting plants having improved phenotypic seed quality characteristics for the detection of a polymorphic base or a polymorphic nucleotide sequence that defines an allele of a polymorphic site of the Sh2 gene of sequence SEQ ID N DEG 1. Said polymorphic base or said polymorphic nucleotide sequence is contained in a nucleic acid included in an Sh2 gene. The invention can be used to obtain transformed plants that can produce seeds having improved agri-food or industrial qualities.

IPC 1-7
C12Q 1/68; A01H 5/00; C07K 16/16; C12N 9/12; C12N 15/63; C12N 5/10; C12N 15/82

IPC 8 full level
C12N 15/29 (2006.01); **C12N 15/82** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6895** (2018.01)

CPC (source: EP US)
C12N 15/8245 (2013.01 - EP US); **C12Q 1/6895** (2013.01 - EP US); **C12Q 2600/156** (2013.01 - EP US)

Citation (search report)
See references of WO 03016564A2

Citation (examination)
GIROUX M J ET AL: "ADP-glucose pyrophosphorylase in shrunken-2 and brittle-2 mutants of maize", MOLECULAR AND GENERAL GENETICS, vol. 243, no. 4, 25 May 2005 (2005-05-25), Springer Verlag, Berlin, DE, pages 400 - 408

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03016564 A2 20030227; **WO 03016564 A3 20040219**; CA 2457787 A1 20030227; EP 1421219 A2 20040526; FR 2828694 A1 20030221; FR 2828694 B1 20031212; US 2005250205 A1 20051110

DOCDB simple family (application)
FR 0202898 W 20020816; CA 2457787 A 20020816; EP 02772507 A 20020816; FR 0110906 A 20010817; US 48696804 A 20040217