

Title (en)

PROTEINS WHICH CONFER BIOTIC AND ABIOTIC STRESS RESISTANCE IN PLANTS

Title (de)

PROTEINE, DIE PFLANZENRESISTENZ GEGEN BIOTISCHEN UND ABIOTISCHEN STRESS VERLEIHEN

Title (fr)

PROTEINES CONFERANT AUX PLANTES UNE RESISTANCE AU STRESS BIOTIQUE ET ABIOTIQUE

Publication

EP 1708558 A4 20080319 (EN)

Application

EP 04787517 A 20040917

Priority

- IB 2004003017 W 20040917
- IN 767CH2003 A 20030924
- IN 768CH2003 A 20030924
- IN 769CH2003 A 20030924
- IN 770CH2003 A 20030924
- IN 771CH2003 A 20030924
- IN 772CH2003 A 20030924
- IN 773CH2003 A 20030924
- IN 774CH2003 A 20030924
- IN 775CH2003 A 20030924
- IN 776CH2003 A 20030924
- IN 777CH2003 A 20030924
- IN 778CH2003 A 20030924
- IN 779CH2003 A 20030924
- IN 780CH2003 A 20030924
- IN 781CH2003 A 20030924
- IN 782CH2003 A 20030924

Abstract (en)

[origin: WO2005027631A2] The present invention relates to the isolation of a nucleic acid sequences plants, the products of which, confer resistance to various biotic and abiotic stress like wounding, pathogen infection and drought in plants.

IPC 8 full level

C12N 15/82 (2006.01); **A01H 5/00** (2006.01); **C07K 14/415** (2006.01); **C12N 9/00** (2006.01)

IPC 8 main group level

A01N (2006.01)

CPC (source: EP)

C07K 14/415 (2013.01); **C12N 15/8271** (2013.01)

Citation (search report)

- [E] WO 2005027632 A2 20050331 - AVESTHA GENGRAINE TECH PVT LTD [IN], et al
- [Y] WO 03074688 A2 20030912 - MAX PLANCK GESELLSCHAFT [DE], et al
- [Y] WO 0028012 A2 20000518 - PIONEER HI BRED INT [US], et al
- [A] WO 0075159 A1 20001214 - CORNELL RES FOUNDATION INC [US], et al
- [A] WO 0022099 A1 20000420 - GENESIS RES & DEV CORP LTD [NZ], et al
- [A] EDREVA A ET AL: "Specific and non-specific markers of stress in tobacco", BEITRAEGE ZUR TABAKFORSCHUNG INTERNATIONAL, vol. 18, no. 6, December 1999 (1999-12-01), pages 223 - 234, XP002467091, ISSN: 0173-783X
- [A] CZJZEK MIRJAM ET AL: "The mechanism of substrate (aglycone) specificity in beta-glucosidases is revealed by crystal structures of mutant maize beta-glucosidase-DIMBOA, -DIMBOAGlc, and -dhurrin complexes", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 97, no. 25, 5 December 2000 (2000-12-05), pages 13555 - 13560, XP002467243, ISSN: 0027-8424
- [A] DATABASE EMBL [online] 12 February 2001 (2001-02-12), "Musa acuminata beta-glucosidase mRNA, partial cds.", XP002467086, retrieved from EBI accession no. EMBL:AF321287 Database accession no. AF321287
- [A] DATABASE EMBL [online] 9 October 2001 (2001-10-09), "Arabidopsis thaliana AT4g27830/T27E11_70 mRNA, complete cds.", XP002467087, retrieved from EBI accession no. EMBL:AY057518 Database accession no. AY057518
- [A] DATABASE EMBL [online] 27 November 2001 (2001-11-27), "Arabidopsis thaliana Similar to beta-glucosidases (At1g02850; F22D16.15) mRNA, complete cds.", XP002467088, retrieved from EBI accession no. EMBL:AY062763 Database accession no. AY062763
- [A] KAERENLAMPI S ET AL: "Genetic engineering in the improvement of plants for phytoremediation of metal polluted soils", ENVIRONMENTAL POLLUTION, BARKING, GB, vol. 107, no. 2, 2000, pages 225 - 231, XP002287818, ISSN: 0269-7491
- [A] AIDA R ET AL: "MODIFICATION OF FLOWER COLOR IN TORENIA (TORENIA FOURNIERI LIND.) BY GENETIC TRANSFORMATION", PLANT SCIENCE, LIMERICK, IE, vol. 153, no. 1, 14 April 2000 (2000-04-14), pages 33 - 42, XP001133725, ISSN: 0168-9452
- See references of WO 2005027631A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005027631 A2 20050331; WO 2005027631 A3 20060831; EP 1705987 A2 20061004; EP 1708558 A2 20061011; EP 1708558 A4 20080319; WO 2005027632 A2 20050331

DOCDB simple family (application)

IB 2004003017 W 20040917; EP 04787517 A 20040917; EP 04787519 A 20040917; IB 2004003021 W 20040917