

Title (en)

GENE ASSOCIATED WITH DISEASE RESISTANCE IN PLANTS

Title (de)

PFANZENKRANKHEITSRESISTENZ-ASSOZIIERTES GEN

Title (fr)

GENE ASSOCIE A LA RESISTANCE AUX MALADIES CHEZ LES VEGETAUX

Publication

EP 1047783 A1 20001102 (EN)

Application

EP 98904517 A 19980116

Priority

SG 9800004 W 19980116

Abstract (en)

[origin: WO9936542A1] A gene encoding a novel mitogen-activated protein ("MAP") kinase has been identified in rice, isolated and cloned. Expression of the gene is induced in response to infection with the blast pathogen, M.grisea. The gene has utility in conferring disease resistance to plants, particularly monocotyledonous plants, such as rice, wheat, maize, barley and asparagus. Vectors containing the novel gene and transformed plant cells, plants and seeds are also disclosed.

IPC 1-7

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IPC 8 full level

A01H 5/00 (2006.01); **C07K 14/415** (2006.01); **C12N 5/10** (2006.01); **C12N 9/12** (2006.01); **C12N 15/09** (2006.01); **C12N 15/29** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP)

C07K 14/415 (2013.01); **C12N 9/1205** (2013.01); **C12N 15/8279** (2013.01); **C12N 15/8282** (2013.01)

Citation (search report)

See references of WO 9936542A1

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