

Title (en)
EXPRESSION OF AN ANTIMICROBIAL PEPTIDE VIA THE PLASTID GENOME TO CONTROL PHYTOPATHOGENIC BACTERIA

Title (de)
EXPRESSION EINES ANTIKROBIELLEN PEPTIDS ÜBER DAS PLASTIDGENOM ZUR KONTROLLE PHYTOPATHOGENER BAKTERIEN

Title (fr)
EXPRESSION D'UN PEPTIDE ANTIMICROBIEN VIA GENOME PLASTIDE POUR ELIMINER LES BACTERIES PHYTOPATHOGENES

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Application
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• US 18566200 P 20000229

Abstract (en)
[origin: WO0164927A1] This invention provides a novel method to confer disease resistance to plants. Plant plastids are transformed using a plastid vector which contains heterologous DNA sequences coding for a cytotoxic antimicrobial peptide. Transgenic plants are capable of fighting off phytopathogenic bacterial infection.

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CPC (source: EP)
C12N 15/8214 (2013.01); **C12N 15/8281** (2013.01); **C12N 15/8282** (2013.01)

Citation (search report)
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• [Y] WO 9806860 A1 19980219 - CIBA GEIGY AG [CH], et al
• [Y] WO 9906564 A1 19990211 - SANFORD SCIENT INC [US], et al
• [T] DEGRAY GERALD ET AL: "Expression of an antimicrobial peptide via the chloroplast genome to control phytopathogenic bacteria and fungi", PLANT PHYSIOLOGY (ROCKVILLE), vol. 127, no. 3, November 2001 (2001-11-01), pages 852 - 862, XP002299090, ISSN: 0032-0889
• See references of WO 0164927A1

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