

Title (en)

TRANSGENIC PLANTS WITH MODIFIED STEROL BIOSYNTHETIC PATHWAYS

Title (de)

TRANSGENE PFLANZEN MIT VERÄNDERTEN STEROL-BIOSYNTHESEWEGEN

Title (fr)

PLANTES TRANSGENIQUES DOTEES DE VOIES MODIFIEES DE SYNTHESE BIOLOGIQUE DES STEROLS

Publication

EP 0958370 A1 19991124 (EN)

Application

EP 97953327 A 19971224

Priority

- US 9723495 W 19971224
- US 3392396 P 19961226

Abstract (en)

[origin: WO9845457A1] Plant phytosterol compositions are modulated in transgenic plants to confer resistance to insects, nematodes, fungi, and/or other environmental stresses, and/or to improve the nutritional value of the plants. Recombinant DNA molecules of the invention encode RNA or protein sequences capable of altering plant sterol profiles by affecting the expression or activity of sterol biosynthetic enzymes. The DNA molecules are transformed into plant cells and plants having altered sterol compositions are regenerated therefrom.

IPC 1-7

C12N 15/82; **C12N 9/10**; **A01H 5/00**

IPC 8 full level

C12N 9/10 (2006.01); **C12N 15/82** (2006.01); **C12P 33/00** (2006.01)

CPC (source: EP)

C12N 9/1007 (2013.01); **C12N 15/8243** (2013.01); **C12N 15/8279** (2013.01); **C12N 15/8286** (2013.01); **C12P 33/00** (2013.01); **Y02A 40/146** (2018.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9845457 A1 19981015; AU 5709998 A 19981030; AU 724046 B2 20000907; BR 9714439 A 20000321; CA 2276087 A1 19981015; CN 1247569 A 20000315; EP 0958370 A1 19991124

DOCDB simple family (application)

US 9723495 W 19971224; AU 5709998 A 19971224; BR 9714439 A 19971224; CA 2276087 A 19971224; CN 97181954 A 19971224; EP 97953327 A 19971224