

Title (en)

METHOD FOR PRODUCING TRANSGENIC PLANTS HAVING AN ELEVATED VITAMIN E CONTENT BY MODIFYING THE SERINE-ACETYLTRANSFERASE CONTENT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON TRANSGENEN PFLANZEN MIT ERHÖHT EM VITAMIN E-GEHALT DURCH VERÄNDERUNG DES SERIN-ACETYLTRANSFERASE-GEHALTS

Title (fr)

PROCEDE POUR PRODUIRE DES PLANTES TRANSGENIQUES A TENEUR ACCRUE EN VITAMINE E PAR MODIFICATION DE LA TENEUR EN SERINE-ACETYLTRANSFERASE

Publication

EP 1576164 A2 20050921 (DE)

Application

EP 03780153 A 20031217

Priority

- DE 10260871 A 20021223
- EP 0314409 W 20031217

Abstract (en)

[origin: WO2004058934A2] The invention relates to a method for producing transgenic plants and/or plant cells having an elevated vitamin E content, said transgenic plants and/or plant cells having a serine-acetyltransferase (SAT) content and/or activity which is modified in relation to the wild type, and/or a modified thiol compound content. The invention also relates to the use of nucleic acids coding for a SAT, for producing transgenic plants or plant cells having an elevated vitamin E content. The invention further relates to a method for producing vitamin E by cultivating transgenic plants or plant cells having a modified SAT content in relation to the wild type.

IPC 1-7

C12N 15/82; **C12N 9/10**

IPC 8 full level

C12N 9/10 (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP US)

C12N 9/1029 (2013.01 - EP US); **C12N 15/8243** (2013.01 - EP US)

Citation (search report)

See references of WO 2004058934A2

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 PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004058934 A2 20040715; **WO 2004058934 A3 20040902**; AU 2003288255 A1 20040722; AU 2003288255 A8 20040722; BR 0317624 A 20051220; CA 2511025 A1 20040715; DE 10260871 A1 20040708; EP 1576164 A2 20050921; US 2006021085 A1 20060126

DOCDB simple family (application)

EP 0314409 W 20031217; AU 2003288255 A 20031217; BR 0317624 A 20031217; CA 2511025 A 20031217; DE 10260871 A 20021223; EP 03780153 A 20031217; US 17071105 A 20050623