

Title (en)

GENETIC METHOD FOR THE EXPRESSION OF POLYPROTEINS IN PLANTS

Title (de)

GENETISCHES VERFAHREN ZUR EXPRESSION VON POLYPROTEINEN IN PFLANZEN

Title (fr)

METHODE GENETIQUE D'EXPRESSION DE POLYPROTEINES DANS DES PLANTES

Publication

EP 1104468 A1 20010606 (EN)

Application

EP 99940345 A 19990817

Priority

- GB 9902716 W 19990817
- GB 9818001 A 19980818
- GB 9826753 A 19981204

Abstract (en)

[origin: WO0011175A1] A method of expressing or improving expression levels of one or more proteins in a transgenic plant comprising inserting into the genome of said plant a DNA sequence comprising a promoter region operably linked to two or more protein encoding regions and a 3'-terminator region wherein said protein encoding regions are separated from each other by a DNA sequence coding for a linker propeptide, said propeptide providing a cleavage site whereby the expressed polyprotein is post-translationally processed into the component protein molecules. In particular, a signal sequence is also included such that the post-translational processing is effected in the secretory pathway of plants. Suitable linker sequences and DNA constructs for use in the method are also described.

IPC 1-7

C12N 15/29; **C12N 15/62**; **C12N 15/82**; **C07K 14/415**; **C07K 7/08**; **A01H 5/00**

IPC 8 full level

A01H 1/00 (2006.01); **C07K 1/12** (2006.01); **C07K 14/415** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/29** (2006.01); **C12N 15/62** (2006.01); **C12N 15/82** (2006.01); **C12P 21/02** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)

C07K 14/415 (2013.01); **C12N 15/62** (2013.01); **C12N 15/8216** (2013.01); **C12N 15/8282** (2013.01); **C07K 2319/02** (2013.01); **C07K 2319/50** (2013.01)

Citation (search report)

See references of WO 0011175A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0011175 A1 20000302; AU 5434099 A 20000314; BR 9913076 A 20010508; CA 2335379 A1 20000302; CN 1315999 A 20011003; EP 1104468 A1 20010606; JP 2002523047 A 20020730

DOCDB simple family (application)

GB 9902716 W 19990817; AU 5434099 A 19990817; BR 9913076 A 19990817; CA 2335379 A 19990817; CN 99810296 A 19990817; EP 99940345 A 19990817; JP 2000566429 A 19990817