

Title (en)  
USE OF A PLASTID-LIPID ASSOCIATED PROTEIN PROMOTER (PAP PROMOTER) FOR HETEROLOGOUS GENE EXPRESSION

Title (de)  
VERWENDUNG EINES PLASTID-LIPID ASSOCIATED PROTEIN-PROMOTORS (PAP-PROMOTORS) ZUR HETEROLOGEN GENEXPRESSION

Title (fr)  
UTILISATION D'UN PROMOTEUR DE LA PAP (PLASTID-LIPID ASSOCIATED PROTEIN) POUR L'EXPRESSION GÉNIQUE HÉTÉROLOGUE

Publication  
**EP 2032705 A2 20090311 (DE)**

Application  
**EP 07765370 A 20070612**

Priority

- EP 2007055756 W 20070612
- EP 06115339 A 20060613
- EP 07110427 A 20070608
- EP 07765370 A 20070612

Abstract (en)  
[origin: WO2007144342A2] The use of a plastid-lipid associated protein promoter (PAP promoter) for heterologous expression of genes in plants of the genus *Tagetes*.

IPC 8 full level  
**C12N 15/82** (2006.01); **A01H 5/02** (2006.01); **C07K 14/415** (2006.01)

CPC (source: EP)  
**C07K 14/415** (2013.01); **C12N 15/823** (2013.01); **C12N 15/8243** (2013.01)

Citation (search report)  
See references of WO 2007144342A2

Citation (examination)

- SHAKED HEZI ET AL: "High-frequency gene targeting in Arabidopsis plants expressing the yeast RAD54 gene", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, DC; US, vol. 102, no. 34, 1 August 2005 (2005-08-01), pages 12265 - 12269, XP009087433, ISSN: 0027-8424, DOI: 10.1073/PNAS.0502601102
- SHIGERU IIDA ET AL: "Modification of Endogenous Natural Genes by Gene Targeting in Rice and Other Higher Plants", PLANT MOLECULAR BIOLOGY, KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NL, vol. 59, no. 1, 1 September 2005 (2005-09-01), pages 205 - 219, XP019262756, ISSN: 1573-5028, DOI: 10.1007/S11103-005-2162-X
- SUNDAR DURAI ET AL: "Zinc finger nucleases: custom-designed molecular scissors for genome engineering of plant and mammalian cells", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 33, no. 18, 1 January 2005 (2005-01-01), pages 5978 - 5990, XP002633005, ISSN: 0305-1048, DOI: 10.1093/NAR/GKI912

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007144342 A2 20071221; WO 2007144342 A3 20080313; CA 2652872 A1 20071221; EP 2032705 A2 20090311**

DOCDB simple family (application)  
**EP 2007055756 W 20070612; CA 2652872 A 20070612; EP 07765370 A 20070612**