

Title (en)  
USE OF GRAM-NEGATIVE BACTERIAL MEMBRANE FRACTION FOR INDUCING THE MATURATION OF DENDRITIC CELLS

Title (de)  
VERWENDUNG EINER MEMBRANFRAKTION AUS GRAM-NEGATIVEN BAKTERIEN ZUR REIFUNG DER DENDRITISCHE ZELLEN

Title (fr)  
UTILISATION D'UNE FRACTION MEMBRANAIRE DE BACTERIES A GRAM NEGATIF POUR INDUIRE LA MATURATION DES CELLULES DENDRITIQUES

Publication  
**EP 1368457 A1 20031210 (FR)**

Application  
**EP 02716890 A 20020314**

Priority  
• FR 0200906 W 20020314  
• FR 0103518 A 20010315

Abstract (en)  
[origin: FR2822071A1] Use of at least one membrane fraction (A) of Gram-negative bacteria, preferably *Klebsiella pneumoniae*, to induce maturation of dendritic cells (DC) or to prepare a pharmaceutical composition for maturing DC. An Independent claim is also included for a kit for inducing maturation of DC that contains (A).

IPC 1-7  
**C12N 5/08; A61K 35/74; A61K 39/00; A61P 37/04; A61P 35/00; A61P 31/00**

IPC 8 full level  
**C12N 15/09** (2006.01); **A61K 35/74** (2015.01); **A61K 38/21** (2006.01); **A61K 39/00** (2006.01); **A61K 39/07** (2006.01); **A61P 31/00** (2006.01); **A61P 31/16** (2006.01); **A61P 31/18** (2006.01); **A61P 33/00** (2006.01); **A61P 35/00** (2006.01); **A61P 37/04** (2006.01); **C12M 1/00** (2006.01); **C12N 5/0784** (2010.01)

CPC (source: EP US)  
**A61K 35/74** (2013.01 - EP US); **A61K 38/1709** (2013.01 - EP US); **A61K 38/191** (2013.01 - EP US); **A61K 38/193** (2013.01 - EP US); **A61K 38/20** (2013.01 - EP US); **A61K 38/212** (2013.01 - EP US); **A61K 38/215** (2013.01 - EP US); **A61K 39/4611** (2023.05 - EP US); **A61K 39/4615** (2023.05 - EP US); **A61K 39/4622** (2023.05 - EP US); **A61K 39/464831** (2023.05 - EP US); **A61P 31/00** (2018.01 - EP); **A61P 31/16** (2018.01 - EP); **A61P 31/18** (2018.01 - EP); **A61P 33/00** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 37/04** (2018.01 - EP); **C12N 5/0639** (2013.01 - EP US); **C12N 2500/72** (2013.01 - EP US)

Cited by  
US8697154B2; US9463209B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**FR 2822071 A1 20020920; FR 2822071 B1 20050701**; AU 2002247813 B2 20070628; CA 2460779 A1 20020926; EP 1368457 A1 20031210; JP 2004531496 A 20041014; US 2005070463 A1 20050331; WO 02074939 A1 20020926

DOCDB simple family (application)  
**FR 0103518 A 20010315**; AU 2002247813 A 20020314; CA 2460779 A 20020314; EP 02716890 A 20020314; FR 0200906 W 20020314; JP 2002574331 A 20020314; US 47173303 A 20030915