

Title (en)  
METHOD FOR ATTENUATING A BACTERIUM OF THE MYCOBACTERIUM TUBERCULOSIS COMPLEX FOR PRODUCING A TUBERCULOSIS VACCINE

Title (de)  
VERFAHREN ZUR DÄMPFUNG EINES BAKTERIUMS DES MYKOBAKTERIUMTUBERKULOSEKOMPLEXES ZUR HERSTELLUNG EINES TUBERKULOSEIMPFSTOFFS

Title (fr)  
PROCEDE D'ATTENUATION D'UNE BACTERIE DU COMPLEXE MYCOBACTERIUM TUBERCULOSIS POUR LA FABRICATION D'UN VACCIN CONTRE LA TUBERCULOSE

Publication  
**EP 2828376 A1 20150128 (FR)**

Application  
**EP 13729975 A 20130516**

Priority  
• FR 1254623 A 20120521  
• FR 2013051078 W 20130516

Abstract (en)  
[origin: WO2013175103A1] The present invention relates to the use of a strain of a mycobacterium of the Mycobacterium tuberculosis complex, into which an mspA gene capable of expressing a Mycobacterium smegmatis porin A has been inserted, for producing a vaccine for the prevention of an infection by a bacterium of the Mycobacterium tuberculosis complex in a host comprising eukaryotic cells, preferably macrophages, wherein said mycobacterial strain thus transformed exhibits reduced growth in said eukaryotic cells.

IPC 8 full level  
**C12N 1/20** (2006.01); **A61K 39/04** (2006.01); **C07K 14/35** (2006.01); **C12R 1/32** (2006.01)

CPC (source: CN EP US)  
**A61K 39/04** (2013.01 - CN EP US); **A61P 31/06** (2017.12 - EP); **A61P 37/04** (2017.12 - EP); **C07K 14/35** (2013.01 - CN EP US); **C12N 1/20** (2013.01 - CN EP US); **C12N 1/205** (2021.05 - CN); **C12N 1/36** (2013.01 - EP US); **A61K 2039/522** (2013.01 - EP US); **C12R 2001/32** (2021.05 - CN)

Citation (search report)  
See references of WO 2013175103A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 2990697 A1 20131122; FR 2990697 B1 20151218**; CN 104271732 A 20150107; EP 2828376 A1 20150128; JP 2015518719 A 20150706; US 2015157701 A1 20150611; WO 2013175103 A1 20131128

DOCDB simple family (application)  
**FR 1254623 A 20120521**; CN 201380024171 A 20130516; EP 13729975 A 20130516; FR 2013051078 W 20130516; JP 2015513241 A 20130516; US 201314395727 A 20130516