

Title (en)  
VACCINE

Title (de)  
IMPFSTOFF

Title (fr)  
VACCIN

Publication  
**EP 2651438 A1 20131023 (EN)**

Application  
**EP 11807964 A 20111213**

Priority  
• GB 201021096 A 20101213  
• GB 2011001716 W 20111213

Abstract (en)  
[origin: WO2012080696A1] The present invention provides modified microorganisms for raising host immune responses as well as vaccines and vaccine compositions comprising the same. In particular, the invention provides modified bacterial microorganisms that under conditions which would be expected to suppress or reduce the expression, function and/or activity of certain factors, exhibit significantly increased expression, function and/or activity of those factors.

IPC 8 full level  
**A61K 39/05** (2006.01)

CPC (source: EP)  
**A61K 39/05** (2013.01); **A61K 2039/522** (2013.01); **A61K 2039/55505** (2013.01)

Citation (search report)  
See references of WO 2012080696A1

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

DOCDB simple family (publication)  
**WO 2012080696 A1 20120621**; AU 2011343008 A1 20130725; EP 2651438 A1 20131023; GB 201021096 D0 20110126

DOCDB simple family (application)  
**GB 2011001716 W 20111213**; AU 2011343008 A 20111213; EP 11807964 A 20111213; GB 201021096 A 20101213