

Title (en)  
SALMONELLA TYPHIMURIUM VACCINE

Title (de)  
IMPFSTOFF GEGEN SALMONELLA TYPHIMURIUM

Title (fr)  
VACCIN A BASE DE SALMONELLA TYPHIMURIUM

Publication  
**EP 0894005 A1 19990203 (EN)**

Application  
**EP 97906536 A 19970213**

Priority  
• US 9702074 W 19970213  
• US 60179096 A 19960215

Abstract (en)  
[origin: WO9729768A1] The present invention is a live vaccine against a microbial pathogen that is avirulent, substantially incapable of multiplication in the host, and has no probability for reverting to a virulent wild strain.

IPC 1-7  
**A61K 39/00**; **A61K 39/02**; **A61K 39/112**; **C12N 1/00**; **C12N 1/20**; **C12N 1/21**

IPC 8 full level  
**A61K 39/02** (2006.01); **A61K 39/112** (2006.01); **C07K 14/255** (2006.01); **C12N 1/21** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP)  
**A61K 39/0275** (2013.01); **A61P 31/00** (2017.12); **A61P 31/04** (2017.12); **A61P 31/10** (2017.12); **A61P 31/12** (2017.12); **A61P 33/00** (2017.12); **C07K 14/255** (2013.01); **A61K 2039/522** (2013.01); **Y02A 50/30** (2017.12)

Citation (search report)  
See references of WO 9729768A1

Cited by  
WO2012082674A1; WO2011103402A1; WO2013070602A1; WO2012015898A1; WO2014149361A1; WO2018048472A1; WO2016172567A1; US7193017B2; WO2018118258A1; EP2112175A1; US7312279B2; WO2013028283A1; WO2014106143A1; EP4039366A1; WO2011103280A1; WO2024129637A1; WO2012009216A1; EP3309182A2; WO2019213227A1; WO2019217173A1; WO2011129956A1; WO2012009215A1; WO2014123598A1; WO2014143421A1; WO2014197169A1; EP3287473A1; EP4223802A2; EP2103633A1; WO2013070601A2; WO2016168655A1; EP4063402A1

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

DOCDB simple family (publication)  
**WO 9729768 A1 19970821**; AU 2120197 A 19970902; CA 2244807 A1 19970815; EP 0894005 A1 19990203; JP 2000504726 A 20000418

DOCDB simple family (application)  
**US 9702074 W 19970213**; AU 2120197 A 19970213; CA 2244807 A 19970213; EP 97906536 A 19970213; JP 52942197 A 19970213