

Title (en)
ATTENUATED INFLUENZA VIRUSES

Title (de)
ATTENUIERTE INFLUENZA VIREN

Title (fr)
VIRUS ATTENUE DE LA GRIPPE

Publication
EP 1075524 A2 20010214 (EN)

Application
EP 99919444 A 19990506

Priority
• GB 9901413 W 19990506
• GB 9809666 A 19980506

Abstract (en)
[origin: WO9957284A2] An attenuated influenza virus carrying a genomic nucleic acid segment which comprises 5' and 3' non-coding regions providing a mutated duplex region of an influenza virus RNA genomic segment operably-linked to a protein coding sequence for an influenza viral protein or a functional modification thereof, wherein said duplex region has at least one base-pair substitution such that expression of said protein-coding sequence in cells infected by said virus is reduced to give an attenuated phenotype. The attenuated influenza virus can be used in a vaccine.

IPC 1-7
C12N 15/44; **C12N 7/01**; **C12N 15/86**; **A61K 39/145**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 39/145** (2006.01); **A61P 31/16** (2006.01); **C07K 14/11** (2006.01); **C12N 5/10** (2006.01); **C12N 7/00** (2006.01); **C12N 7/04** (2006.01); **C12N 15/44** (2006.01); **C12N 15/86** (2006.01)

CPC (source: EP)
A61K 39/12 (2013.01); **A61K 39/145** (2013.01); **A61P 31/16** (2017.12); **C07K 14/005** (2013.01); **C12N 7/00** (2013.01); **C12N 15/86** (2013.01); **A61K 2039/5254** (2013.01); **C12N 2760/16022** (2013.01); **C12N 2760/16043** (2013.01); **C12N 2760/16061** (2013.01); **C12N 2760/16134** (2013.01)

Citation (search report)
See references of WO 9957284A2

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

DOCDB simple family (publication)
WO 9957284 A2 19991111; **WO 9957284 A3 19991229**; AU 3723099 A 19991123; CA 2327584 A1 19991111; EP 1075524 A2 20010214; GB 9809666 D0 19980701; JP 2002513575 A 20020514

DOCDB simple family (application)
GB 9901413 W 19990506; AU 3723099 A 19990506; CA 2327584 A 19990506; EP 99919444 A 19990506; GB 9809666 A 19980506; JP 2000547239 A 19990506