Title (en)

NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO $i(HELICOBACTER PYLORI) AND VACCINE COMPOSITIONS THEREOF

Title (de)

AUF HELIOBACTER PYLORI BEZOGENE NUKLEIN- UND AMINOSÄURESEQUENZEN SOWIE DIESE ENTHALTENDE IMPFSTOFFE

Title (fr)

ACIDE NUCLEIQUE ET SEQUENCES D'ACIDES AMINES RELATIFS A HELICOBACTER PYLORI, ET COMPOSITIONS DE VACCINS LES CONTENANT

Publication

EP 0973394 A1 20000126 (EN)

Application

EP 97913847 A 19971028

Priority

- US 9719575 W 19971028
- US 73915096 A 19961028
- US 75973996 A 19961206
- US 89192897 A 19970714

Abstract (en)

[origin: WO9818323A1] Recombinant or substantially pure preparations of H. pylori polypeptides are described. The nucleic acids encoding the polypeptides also are described. The H. pylori polypeptides are useful for diagnostics and vaccine compositions.

IPC 1-7

C12N 15/31; C07K 14/205; C12Q 1/68; C12N 15/63; C07K 19/00; A61K 39/106; A61K 48/00; G01N 33/68

IPC 8 full level

A61K 31/711 (2006.01); **A61K 39/106** (2006.01); **A61K 48/00** (2006.01); **A61P 31/04** (2006.01); **C07K 14/195** (2006.01); **C07K 14/205** (2006.01); **C12N 1/15** (2006.01); **C12N 15/09** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/31** (2006.01); **C12N 15/86** (2006.01); **C12P 21/02** (2006.01); **C12Q 1/68** (2006.01); A61K 39/00 (2006.01)

CPC (source: EP KR)

A61P 31/04 (2018.01 - EP); **C07K 14/205** (2013.01 - EP); **C12N 15/11** (2013.01 - KR); **C12N 15/86** (2013.01 - KR); **C12Q 1/68** (2013.01 - KR); A61K 39/00 (2013.01 - EP); C07K 2319/00 (2013.01 - EP)

Cited by

US6448338B1

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 9818323 A1 19980507; AR 009600 A1 20000426; AU 5093398 A 19980522; AU 734052 B2 20010531; BR 9712587 A 19991026; CA 2265523 A1 19980507; CN 1235513 A 19991117; EE 9900176 A 19991215; EP 0973394 A1 20000126; EP 0973394 A4 20050330; ID 22065 A 19990826; IL 129397 D0 20000217; IS 5005 A 19990318; JP 2001504329 A 20010403; KR 20000052831 A 20000825; NO 991995 D0 19990427; NO 991995 L 19990628; NZ 334568 A 20000428; PL 333169 A1 19991122; SA 98180918 A 20051203; SK 34699 A3 20000410; TR 199900940 T2 19990921

DOCDB simple family (application)

US 9719575 W 19971028; AR P970105002 A 19971028; AU 5093398 A 19971028; BR 9712587 A 19971028; CA 2265523 A 19971028; CN 97199233 A 19971028; EE 9900176 A 19971028; EP 97913847 A 19971028; ID 990160 A 19971028; IL 12939797 A 19971028; IS 5005 A 19990318; JP 52071098 A 19971028; KR 19997003660 A 19990427; NO 991995 A 19990427; NZ 33456897 A 19971028; PL 33316997 A 19971028; SA 98180918 A 19980228; SK 34699 A 19971028; TR 9900940 T 19971028