(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 August 2006 (17.08.2006)

PCT

(10) International Publication Number
WO 2006/084467 A1

(51) International Patent Classification:
A61K 39/09 (2006.01) *A61P 31/04* (2006.01)
A61K 39/40 (2006.01)

(21) International Application Number:
PCT/DK2006/000073

(22) International Filing Date: 9 February 2006 (09.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

PA 2005 00207	11 February 2005 (11.02.2005)	DK
60/653,932	18 February 2005 (18.02.2005)	US
PA 2005 01194	29 August 2005 (29.08.2005)	DK
PA 2005 01463	18 October 2005 (18.10.2005)	DK

(71) Applicant *(for all designated States except US)*: **ACE BIOSCIENCES A/S** [DK/DK]; Unsbjergvej 2a, DK-5220 Odense SØ (DK).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **KOEFOED, Thomas** [DK/DK]; Egelykkevej 11, DK-5260 Odense S (DK). **NYBORG, Nielsen, Pia** [DK/DK]; Hverringevej 13, DK-5230 Odense M (DK). **SCHROTZ-KING, Petra** [DE/DK]; Brobæklunden 115, DK-5260 Odense S (DK). **PETERSEN, Jorgen** [DK/DK]; Vedbedsvej 6, St., DK-5220 Odense SØ (DK). **BOYSEN, Anders** [DK/DK]; Rørhatten 4, DK-5220 Odense SØ (DK). **PROKHOROVA, Tatyana, A.** [BY/DK]; Æblegyden 9, DK-5592 Ejby (DK).

(74) Agent: **HØIBERG A/S**; St. Kongensgade 59A, DK-1264 Copenhagen K (DK).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SURFACE-LOCATED STREPTOCOCCUS PNEUMONIAE POLYPEPTIDES

(57) Abstract: The present invention relates to cell-surface-located polypeptides of Streptococcus pneumoniae and their use in immunisation against Streptococcal infection, in diagnosis of Streptococcus and in identification of compounds with anti-Streptococcus activity. In a further aspect, the invention relates to antibodies capable of recognising cell surface-located polypeptides of Streptococcus pneumoniae and uses thereof.

WO 2006/084467 A1