

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 November 2008 (06.11.2008)

PCT

(10) International Publication Number
WO 2008/131927 A1

(51) International Patent Classification:
A61K 39/285 (2006.01) **C07K 14/07** (2006.01)

(21) International Application Number:
PCT/EP2008/003367

(22) International Filing Date: 25 April 2008 (25.04.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/924,048 27 April 2007 (27.04.2007) US
60/935,920 6 September 2007 (06.09.2007) US
12/026,612 6 February 2008 (06.02.2008) US

(71) Applicant (for all designated States except US): **BAVAR-
IAN NORDIC A/S** [DK/DK]; Hejreskovvej 10A,
DK-3490 Kvistgaard (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOCHREIN, Hu-
bertus** [DE/DE]; Haffstrasse 134, 81825 Munich (DE).
O'KEEFFE, Meredith [AU/DE]; Geyerstrasse 34, 80469
Munich (DE).

(74) Agents: **LENKKERI-SCHÜTZ, Ulla** et al.; Bavarian
Nordic GmbH, Fraunhoferstrasse 13, 82152 Martinsried
(DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE,
EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC,
LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN,
MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

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

(54) Title: IMMEDIATE PROTECTION AGAINST PATHOGENS VIA MVA

(57) Abstract: The invention relates to methods and kits comprising poxviruses including, but not limited to modified vaccinia virus Ankara (MVA) and uses thereof to provide immediate protection against pathogens. Poxviruses including, but not limited to MVA can be delivered to a host animal just prior to or after exposure to a pathogen and provide protection against the pathogen.

WO 2008/131927 A1