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

(19) World Intellectual Property Organization
International Bureau

162162

(43) International publication date
17 January 2002 (17.01.2002)

PCT

(10) International publication number
WO 02/04019 A2

(51) International patent classification[7]: A61K 39/12

(21) International application number: PCT/EP01/07978

(22) International filing date: 11 July 2001 (11.07.2001)

(25) Language of filing: German

(26) Language of publication: German

(30) Data relating to the priority:
10033581.0 11 July 2000 (11.07.2000) DE
10122233.5 8 May 2001 (08.05.2001) DE

(71) Applicant *(for all designated States except US)*: BAYER AKTIENGESELLSCHAFT [DE/DE]; 51368 Leverkusen (DE).

(72) Inventors; and
(75) Inventors/Applicants *(US only)*: HIRTH-DIETRICH, Claudia [DE/DE]; Stockmannsmühle 127, 42115 Wuppertal (DE). SCHLAPP, Tobias [DE/DE]; Gerstenkamp 10, 51061 Cologne (DE). SIEGLING, Angela [DE/FR]; 7, rue Francois Bonvin, F-75015 Paris (FR). KNORR, Andreas [DE/DE]; Trillser Graben 10, 40699 Erkrath (DE). WEBER, Olaf [DE/US]; 539 Amity Road, Woodbridge, CT 06525 (US). THEISS, Gudrun [DE/DE]; Boeddinghausstrasse 13, 42329 Wuppertal (DE).

(74) Joint Representative: BAYER AKTIENGESELLSCHAFT; 51368 Leverkusen (DE).

(81) Designated states *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated states *(regional)*: ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
- *Without the International Search Report and to be republished once the report has been received.*
- *With (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description.*

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

As printed

(54) Title: USE OF STRAINS OF THE PARAPOX OVIS VIRUS AGAINST ORGAN FIBROSIS

(54) Bezeichnung: VERWENDUNG VON STÄMMEN DES PARAPOXVIRUS OVIS GEGEN ORGANFIBROSEN

(57) Abstract: The invention relates to the human use of inactivated parapox viruses for the prophylaxis and the treatment of illnesses associated with increased collagen deposition, said illnesses affecting inner organs, e.g. the liver, and also skin and the appendages thereof. Liver fibrosis or liver cirrhosis resulting from viral hepatitis or ethanol-induced liver diseases such as cystic fibrosis are especially relevant.

(57) Zusammenfassung: Die vorliegende Erfindung betrifft die Humanverwendung von inaktivierten Parapoxviren bei der Prophylaxe und Behandlung von Erkrankungen, die mit erhöhter Kollagenablagerung einhergehen, wobei sowohl innere Organe, wie z.B. die Leber, als auch die Haut und ihre Anhangsgebilde betroffen sein können. Insbesondere sind betroffen Leberfibrose bzw. Leberzirrhose im Gefolge von Virushepatitis oder Ethanol-induzierten Lebererkrankungen sowie Zystische Fibrose.

WO 02/04019 A2

G00002