4 February 2003

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
C12N 15/86, 5/10, A61K 48/00

A2

(11) International Publication Number: WO 00/08194

(43) International Publication Date: 17 February 2000 (17.02.00)

(21) International Application Number: PCT/GB99/02547

(22) International Filing Date: 3 August 1999 (03.08.99)

(30) Priority Data:
9816856.0 3 August 1998 (03.08.98) GB

(71) Applicant *(for all designated States except US)*: NEUROVEX LIMITED [GB/GB]; Marquis House, 67–68 Jermyn Street, London SW1Y 6NY (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: COFFIN, Robert, Stuart [GB/GB]; UCL Medical School, Division of Pathology, Department of Molecular Pathology, The Windeyer Building, 46 Cleveland Street, London W1P 6DP (GB). LATCHMAN, David, Seymour [GB/GB]; UCL Medical School, Division of Pathology, Department of Molecular Pathology, The Windeyer Building, 46 Cleveland Street, London W1P 6DP (GB).

(74) Agents: WOODS, Geoffrey, Corlett et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: CELL LINES FOR THE PROPAGATION OF MUTATED HERPES VIRUSES

(57) Abstract

A process for propagating a mutant herpes virus having a mutation in its endogenous HSV VP16 gene or a homologue thereof, which process comprises infecting a cell line with the mutant herpes virus and culturing the cell line, wherein the cell line comprises a nucleic acid sequence encoding a functional herpes simplex virus (HSV) VP16 polypeptide, or a homologue thereof, operably linked to a control sequence permitting expression of the polypeptide in said cell line; the nucleic acid sequence being (i) capable of complementing the endogenous gene and (ii) unable to undergo homologous recombination with the endogenous gene. In addition, the present invention provides cell lines which can be used for the growth of mutant herpes viruses which have defects in certain immediate early genes together with mutations in VP16 or homologue thereof.

G00002

162162