

Title (en)

IMMORTALIZED LINES OF ENDOTHELIAL BRAIN CELLS AND THERAPEUTICAL APPLICATIONS THEREOF

Title (de)

IMMOBILISIERTE HIRNENDOTHELIAZELLINIEN UND DEREN THERAPEUTISCHE VERWENDUNGEN

Title (fr)

LIGNEES IMMORTALISEES DE CELLULES ENDOTHELIALES CEREBRALES ET LEURS APPLICATIONS THERAPEUTIQUES

Publication

**EP 0787197 A1 19970806 (FR)**

Application

**EP 95934188 A 19951009**

Priority

- FR 9501313 W 19951009
- FR 9412078 A 19941010

Abstract (en)

[origin: WO9611278A1] The invention relates to optionally modified immortalized lines of endothelial brain cells of mammals, as well as applications as preventive or curative drug and particularly for the treatment of primary and secondary, neurologic or psychiatric diseases, including brain tumors, and for stimulating the growth and reproduction of breeding animals. The invention also relates to the method for preparing said cell lines. The endothelial cell lines of mammals disclosed are comprised of immortalized endothelial brain cells presenting at least one of the following characteristics of differentiated endothelial brain cells, in a stable way: the expression of endothelial markers, the secretion of vasoactive substances, the expression of molecules of the major histocompatibility complex (MHC), the expression of hormonal receptors, and the existence of tight junctions; said cell lines comprise a nucleic acid fragment having at least one immortalizing fragment of a viral or cellular oncogene, optionally associated with at least one selection gene, and an expression vector comprising a sequence coding for a polypeptide, a protein or a viral vector, optionally associated with at least one selection gene and optionally at least one marker gene, and they are capable in vivo to integrate brain vessels of a host mammalian and produce said polypeptide, said protein or said viral vector.

IPC 1-7

**C12N 15/86**; C12N 5/10; A61K 48/00; C07K 14/48; C07K 14/075; C07K 14/82

IPC 8 full level

**A61K 35/12** (2006.01); **A61K 38/00** (2006.01); **A61K 38/18** (2006.01); **A61K 38/22** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 25/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/075** (2006.01); **C07K 14/48** (2006.01); **C07K 14/82** (2006.01); **C12N 5/06** (2006.01); **C12N 5/071** (2010.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01)

CPC (source: EP)

**A61K 38/185** (2013.01); **A61P 25/00** (2017.12); **A61P 35/00** (2017.12); **C07K 14/005** (2013.01); **C07K 14/48** (2013.01); **C07K 14/82** (2013.01); **C12N 5/069** (2013.01); **A61K 35/12** (2013.01); **A61K 48/00** (2013.01); **C12N 2510/04** (2013.01); **C12N 2710/10322** (2013.01); **C12N 2740/13043** (2013.01)

Citation (search report)

See references of WO 9611278A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9611278 A1 19960418**; AU 3657595 A 19960502; AU 715289 B2 20000120; CA 2202066 A1 19960418; EP 0787197 A1 19970806; FR 2726005 A1 19960426; FR 2726005 B1 19970103; JP H10507074 A 19980714; NZ 293994 A 19990225

DOCDB simple family (application)

**FR 9501313 W 19951009**; AU 3657595 A 19951009; CA 2202066 A 19951009; EP 95934188 A 19951009; FR 9412078 A 19941010; JP 51239096 A 19951009; NZ 29399495 A 19951009