

Title (en)
TRANSPLANTATION OF GENETICALLY MODIFIED CELLS HAVING LOW LEVELS OF CLASS I MHC PROTEINS ON THE CELL SURFACE

Title (de)
TRANSPLANTATION VON GENETISCH VERÄNDERTEN ZELLEN MIT EINEM NIEDRIGEN GEHALT VON KLASSE I MHC PROTEINEN AUF IHRER ZELLOBERFLÄCHE

Title (fr)
TRANSPLANTATION DE CELLULES GENETIQUEMENT MODIFIEES PRESENTANT DE FAIBLES TAUX DE PROTEINES DE CLASSE I DU COMPLEXE MAJEUR D'HISTOCOMPATIBILITE SUR LEUR SURFACE

Publication
EP 0820311 A1 19980128 (EN)

Application
EP 96912564 A 19960403

Priority
• US 9604648 W 19960403
• US 41610695 A 19950404

Abstract (en)
[origin: WO9631241A1] Mammalian cells are genetically modified by the introduction of genes encoding virus-derived MHC down-regulatory proteins. Suitable cells for transplantation are taken from a donor, and transfected with an expression vector encoding one or more virus-derived MHC down-regulatory proteins. The genetically modified donor cells are expanded ex vivo, if appropriate, and transplanted into a recipient mammalian host. The decreased levels of class I MHC protein allow the transplanted cells to survive under conditions where the genetically unmodified cells would be otherwise subject to attack by the recipient immune system. The donor cells may be additionally modified to target cells or to enhance effector function of the donor cells in the mammalian host.

IPC 1-7
A61K 48/00

IPC 8 full level
C12N 15/09 (2006.01); **A61K 35/14** (2015.01); **A61K 38/00** (2006.01); **A61K 38/16** (2006.01); **A61K 39/00** (2006.01); **A61K 39/21** (2006.01); **A61K 39/395** (2006.01); **A61K 48/00** (2006.01); **C07K 14/035** (2006.01); **C07K 14/045** (2006.01); **C07K 14/075** (2006.01); **C12N 5/0789** (2010.01); **C12N 5/10** (2006.01); **C12N 15/86** (2006.01)

CPC (source: EP KR)
A61K 39/001 (2013.01 - EP); **A61K 48/00** (2013.01 - KR); **C07K 14/005** (2013.01 - EP); **C12N 5/0647** (2013.01 - EP); **C12N 15/86** (2013.01 - EP); **A61K 48/00** (2013.01 - EP); **A61K 2035/122** (2013.01 - EP); **C12N 2710/10322** (2013.01 - EP); **C12N 2710/16122** (2013.01 - EP); **C12N 2710/16622** (2013.01 - EP); **C12N 2740/13043** (2013.01 - EP); **C12N 2840/203** (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9631241 A1 19961010; AU 5533896 A 19961023; AU 712415 B2 19991104; CA 2217297 A1 19961010; EP 0820311 A1 19980128; EP 0820311 A4 20020925; JP H11503024 A 19990323; KR 19980703665 A 19981205; NO 974596 D0 19971003; NO 974596 L 19971203

DOCDB simple family (application)
US 9604648 W 19960403; AU 5533896 A 19960403; CA 2217297 A 19960403; EP 96912564 A 19960403; JP 53047496 A 19960403; KR 19970707064 A 19971002; NO 974596 A 19971003