

Title (en)

GENETICALLY ENGINEERED ENDOTHELIAL CELLS AND USE THEREOF.

Title (de)

GENETISCH ERZEUGTE ENDOTHELZELLEN UND DEREN VERWENDUNG.

Title (fr)

CELLULES ENDOTHELIALES MODIFIEES PAR GENIE GENETIQUE ET UTILISATION DE CES CELLULES.

Publication

EP 0456640 A4 19910920 (EN)

Application

EP 90900691 A 19891208

Priority

US 28358688 A 19881213

Abstract (en)

[origin: WO9006997A1] Endothelial cells are genetically engineered with a gene for a heterologous protein which is a therapeutic agent. The endothelial cells may be seeded onto a vascular graft and implanted in the vascular system of a mammal to produce the therapeutic agent in vivo.

IPC 1-7

A61F 2/06; **A61K 48/00**; **C07G 15/00**; **C07K 7/00**; **C12N 5/08**; **C12N 15/00**

IPC 8 full level

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CPC (source: EP)

C12N 15/86 (2013.01); **A61F 2/06** (2013.01); **A61F 2250/0067** (2013.01); **C12N 2740/13043** (2013.01)

Citation (search report)

- WO 8808450 A1 19881103 - FINLAYSON BIRDWELL [US], et al
- WO 8902468 A1 19890323 - WHITEHEAD BIOMEDICAL INST [US], et al
- WO 9015863 A1 19901227 - DIRECTORS OF THE LELAND STANFORD [US]
- See references of WO 9006997A1

Cited by

EP1681354A2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

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WO 9006997 A1 19900628; CA 2005199 A1 19900613; EP 0456640 A1 19911121; EP 0456640 A4 19910920; JP H04507041 A 19921210

DOCDB simple family (application)

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