

Title (en)  
EX VIVO AND IN VIVO EXPRESSION OF THE THROMBOMODULIN GENE FOR THE TREATMENT OF CARDIOVASCULAR AND PERIPHERAL VASCULAR DISEASES

Title (de)  
EX-VIVO- UND IN-VIVO-EXPRESSION DES THROMBOMODULIN-GENS ZUR BEHANDLUNG VON HERZ-KREISLAUF-ERKRANKUNGEN UND PERIPHEREN GEFÄSSERKRANKUNGEN

Title (fr)  
EXPRESSION EX VIVO ET IN VIVO DU GÈNE THROMBOMODULINE POUR LE TRAITEMENT DE MALADIES CARDIOVASCULAIRES ET VASCULAIRES PÉRIPHÉRIQUES

Publication  
**EP 2099438 A4 20110928 (EN)**

Application  
**EP 07772782 A 20070314**

Priority

- US 2007006371 W 20070314
- US 65047807 A 20070108
- US 65047907 A 20070108
- US 68547407 A 20070313

Abstract (en)  
[origin: WO2008088358A2] The present invention relates to methods and compositions for treatment of cardiovascular and peripheral vascular diseases using ex vivo and in vivo gene delivery technologies. One aspect of the present invention relates to a method for treating a vascular disease by introducing a DNA sequence encoding a TM protein or its variant into a segment of a blood vessel in vivo using a gutless adenovirus vector. Another. aspect of the present invention is to provide a method to deliver a gutless adenovirus vector carrying a DNA sequence encoding a TM.protein or its variant using a stent.

IPC 8 full level  
**A61K 31/00** (2006.01); **A61K 31/713** (2006.01); **A61K 48/00** (2006.01); **C07H 21/00** (2006.01)

CPC (source: EP)  
**A61K 31/198** (2013.01); **A61K 38/366** (2013.01); **A61K 38/42** (2013.01); **A61K 45/06** (2013.01); **A61K 48/005** (2013.01); **A61K 48/0058** (2013.01); **A61P 9/00** (2017.12); **C12N 15/86** (2013.01); **C12N 2710/10343** (2013.01)

C-Set (source: EP)

1. **A61K 38/42 + A61K 2300/00**
2. **A61K 38/366 + A61K 2300/00**
3. **A61K 31/198 + A61K 2300/00**

Citation (search report)

- [XY] US 7132277 B1 20061107 - BETT ANDREW [US], et al
- [Y] WO 2004050844 A2 20040617 - BIOVEC LLC [US]
- See references of WO 2008088358A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008088358 A2 20080724; WO 2008088358 A3 20081218**; CA 2674563 A1 20080724; CA 2674563 C 20141230; EP 2099438 A2 20090916; EP 2099438 A4 20110928

DOCDB simple family (application)  
**US 2007006371 W 20070314**; CA 2674563 A 20070314; EP 07772782 A 20070314