

Title (en)

COMPOSITIONS FOR REGULATING SMOOTH MUSCLE CELL TONE OF THE BLADDER

Title (de)

ZUSAMMENSETZUNGEN ZUR REGULATION DES TONUS DER GLATTEN MUSKULATUR DER HARNBLASE

Title (fr)

COMPOSITIONS PERMETTANT DE REGULER LE TONUS DU MUSCLE LISSE DE LA VESSIE

Publication

**EP 1126879 A1 20010829 (EN)**

Application

**EP 99942324 A 19990818**

Priority

- US 9918912 W 19990818
- US 13584998 A 19980818

Abstract (en)

[origin: WO0010604A1] The present invention is directed towards a method of gene therapy comprising the delivery and expression of a DNA sequence which encodes a protein involved in the regulation of smooth muscle tone in a smooth muscle cell. Also provided by the present invention is a method of regulating smooth muscle tone in a subject comprising the introduction and expression of a DNA sequence encoding a protein involved in the regulation of smooth muscle tone into a sufficient number of cells of the subject to regulate muscle tone in the subject. The present invention also provides a recombinant viral and non-viral vectors comprising DNA encoding a protein involved in the regulation of smooth muscle tone. Also provided by the present invention is a smooth muscle cell which expresses a gene encoding a protein involved in the regulation of smooth muscle tone.

IPC 1-7

**A61K 48/00**; **A61K 41/00**; **C12Q 1/68**; **A61P 13/10**

IPC 8 full level

**A61K 48/00** (2006.01); **A61K 38/00** (2006.01); **A61K 38/17** (2006.01); **A61K 38/43** (2006.01); **A61K 38/44** (2006.01); **A61K 41/00** (2006.01); **A61P 13/00** (2006.01); **A61P 13/02** (2006.01); **A61P 13/08** (2006.01); **A61P 13/10** (2006.01); **A61P 15/00** (2006.01); **A61P 19/00** (2006.01)

CPC (source: EP KR)

**A61K 38/177** (2013.01 - EP); **A61K 41/00** (2013.01 - EP); **A61K 48/00** (2013.01 - KR); **A61P 13/00** (2017.12 - EP); **A61P 13/02** (2017.12 - EP); **A61P 13/08** (2017.12 - EP); **A61P 13/10** (2017.12 - EP); **A61P 15/00** (2017.12 - EP); **A61P 19/00** (2017.12 - EP); **A61K 48/00** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0010604 A1 20000302**; AU 5572899 A 20000314; AU 757803 B2 20030306; CA 2339800 A1 20000302; EP 1126879 A1 20010829; EP 1126879 A4 20040804; JP 2002523380 A 20020730; KR 100596884 B1 20060704; KR 20010085416 A 20010907

DOCDB simple family (application)

**US 9918912 W 19990818**; AU 5572899 A 19990818; CA 2339800 A 19990818; EP 99942324 A 19990818; JP 2000565924 A 19990818; KR 20017002140 A 20010219