

Title (en)

METHOD AND COMPOSITION FOR MODULATING BONE GROWTH

Title (de)

VERFAHREN UND ZUSAMMENSETZUNG ZUR MODULATION VON KNOCHENWACHSTUM

Title (fr)

METHODE ET COMPOSITION PERMETTANT DE MODULER LA CROISSANCE OSSEUSE

Publication

**EP 1370287 A2 20031217 (EN)**

Application

**EP 01986092 A 20011203**

Priority

- US 0146291 W 20011203
- US 25053500 P 20001201

Abstract (en)

[origin: WO0243759A2] Methods and compositions are provided for the treatment of defects and disease involving osteoporosis, or osteopenic conditions. The methods comprises applying to the site of osteoporotic or osteopenic conditions a composition comprising a BMP-3 inhibitor or antagonist. The invention further provides methods and compositions for modulating or regulating the formation of bone utilizing BMP-3 compositions.

IPC 1-7

**A61K 39/395**; **A61K 31/7088**; **G01N 33/50**; **A61K 9/00**; **A61P 19/10**

IPC 8 full level

**A61P 19/10** (2006.01); **C07K 14/51** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

**A61P 19/10** (2017.12); **C07K 14/51** (2013.01); **A61K 38/00** (2013.01); **C12N 2799/027** (2013.01)

Citation (search report)

See references of WO 0243759A2

Citation (examination)

- DALUISKI A ET AL: "Bone morphogenic protein-3 is a negative regulator of bone density", NATURE GENETICS, vol. 27, 2001, pages 84 - 88
- GAMER L ET AL: "bmp-3 is a novel inhibitor of both activin and BMP-4 signaling in Xenopus embryos", DEVELOPMENTAL BIOLOGY, vol. 285, 2005, pages 156 - 168, XP005015206, DOI: doi:10.1016/j.ydbio.2005.06.012
- LIEBERMAN J ET AL: "The effect of regional gene therapy with bone morphogenic protein-2 producing bone-marrow cells on the repair of segmental femoral defects in rats", THE JOURNAL OF BONE AND JOINT SURGERY, vol. 81-a, no. 7, 1999, pages 905 - 917, XP001149972
- DONALDSON C ET AL: "Activin and inhibin binding to the soluble extracellular domain of activin receptor II", ENDOCRINOLOGY, vol. 140, no. 4, 1999, pages 1760 - 1766, XP002366135, DOI: doi:10.1210/en.140.4.1760

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0243759 A2 20020606**; **WO 0243759 A3 20031009**; AU 3655802 A 20020611; EP 1370287 A2 20031217

DOCDB simple family (application)

**US 0146291 W 20011203**; AU 3655802 A 20011203; EP 01986092 A 20011203