

Title (en)
METHODS AND COMPOSITIONS FOR CONTROL OF BONE FORMATION VIA MODULATION OF LEPTIN ACTIVITY

Title (de)
VERFAHREN UND ZUSAMMENSETZUNGEN ZUR KONTROLLE DER KNOCHENBILDUNG MITTELS MODULATION DER LEPTIN-AKTIVITÄT

Title (fr)
PROCEDES ET COMPOSITIONS POUR LA REGULATION DE L'OSTEOFORMATION PAR MODULATION DE L'ACTIVITE DE LA LEPTINE

Publication
EP 1191945 A4 20030423 (EN)

Application
EP 00941311 A 20000609

Priority

- US 0015911 W 20000609
- US 13873399 P 19990611
- US 16044199 P 19991019
- US 48987300 A 20000120

Abstract (en)
[origin: WO0076552A1] The invention relates to the method for treatment, diagnosis and prevention of bone disease and comprises methods including inhibiting or increasing leptin synthesis, leptin receptor synthesis, leptin binding to the leptin receptor, and leptin receptor activity. The invention also relates to screening assays to identify compounds that modulate leptin and/or leptin receptor activity. The invention further relates to gene therapy methods utilizing leptin and leptin-related sequences for the treatment and prevention of bone disease.

IPC 1-7
A61K 48/00; **A61K 39/395**; **A61K 38/00**; **C12Q 1/68**; **C07H 21/04**; **C07H 21/02**; **G01N 33/53**

IPC 8 full level
G01N 33/50 (2006.01); **A61K 31/21** (2006.01); **A61K 31/565** (2006.01); **A61K 31/711** (2006.01); **A61K 38/00** (2006.01); **A61K 38/17** (2006.01); **A61K 38/22** (2006.01); **A61K 38/43** (2006.01); **A61K 38/55** (2006.01); **A61K 38/57** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 19/08** (2006.01); **A61P 19/10** (2006.01); **A61P 43/00** (2006.01); **C12Q 1/02** (2006.01); **G01N 33/15** (2006.01); **G01N 33/566** (2006.01); **G01N 33/74** (2006.01)

CPC (source: EP)
A61K 31/05 (2013.01); **A61K 31/565** (2013.01); **A61K 38/1796** (2013.01); **A61K 38/57** (2013.01); **A61P 19/08** (2017.12); **A61P 19/10** (2017.12); **A61P 43/00** (2017.12); **G01N 33/74** (2013.01); **A61K 48/00** (2013.01); **G01N 2333/575** (2013.01); **G01N 2333/72** (2013.01)

Citation (search report)

- [T] DUCY PATRICIA ET AL: "Leptin inhibits bone formation through a hypothalamic relay: A central control of bone mass.", CELL, vol. 100, no. 2, 21 January 2000 (2000-01-21), pages 197 - 207, XP002231771, ISSN: 0092-8674
- See references of WO 0076552A1

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 0076552 A1 20001221; **WO 0076552 A8 20010705**; CA 2376933 A1 20001221; EP 1191945 A1 20020403; EP 1191945 A4 20030423; JP 2003528804 A 20030930

DOCDB simple family (application)
US 0015911 W 20000609; CA 2376933 A 20000609; EP 00941311 A 20000609; JP 2001502883 A 20000609