

Title (en)
HEPAROSAN POLYMERS AND METHODS OF MAKING AND USING SAME FOR THE ENHANCEMENT OF THERAPEUTICS

Title (de)
HEPAROSANPOLYMERE SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG ZUR VERSTÄRKUNG VON THERAPEUTIKA

Title (fr)
POLYMÈRES D'HÉPAROSANE ET LEURS PROCÉDÉS DE FABRICATION ET D'UTILISATION DESTINÉS À L'AMÉLIORATION DE COMPOSÉS THÉRAPEUTIQUES

Publication
EP 2341941 A4 20141210 (EN)

Application
EP 09813350 A 20090909

Priority

- US 2009005050 W 20090909
- US 17927509 P 20090518
- US 38304609 A 20090319
- US 9557208 P 20080909

Abstract (en)
[origin: WO2010030342A2] The present invention includes compositions, methods, and systems for the development and use of heparosan, a natural polymer related to heparin, as a new therapeutic modifying agent or vehicle which can modulate drug cargo pharmacokinetics and behavior within a mammalian patient.

IPC 8 full level
A61K 9/00 (2006.01); **A61K 9/10** (2006.01); **A61K 47/36** (2006.01); **A61K 47/48** (2006.01)

CPC (source: EP)
A61K 47/36 (2013.01); **A61K 47/61** (2017.07); **A61K 9/0019** (2013.01)

Citation (search report)

- [XY] EP 1923402 A1 20080521 - SEIKAGAKU KOGYO CO LTD [JP]
- [X] EP 1870421 A1 20071226 - SEIKAGAKU KOGYO CO LTD [JP]
- [X] US 2004197868 A1 20041007 - DEANGELIS PAUL L [US]
- [X] US 2006105431 A1 20060518 - DEANGELIS PAUL L [US]
- [X] US 6562781 B1 20030513 - BERRY LESLIE [CA], et al
- [X] US 2006116346 A1 20060601 - DE LUCA GILDA [IT], et al
- [X] US 2004087488 A1 20040506 - PARENT EDWARD G [US], et al
- [X] WO 9741897 A1 19971113 - VIRION SYSTEMS INC [US]
- [X] WO 9222331 A1 19921223 - UNIV LONDON PHARMACY [GB]
- [X] US 2008112951 A1 20080515 - PHALIPON ARMELLE [FR], et al
- [X] US 2002192205 A1 20021219 - MICHON FRANCIS [US], et al
- [Y] US 2008109236 A1 20080508 - DEANGELIS PAUL L [US], et al
- [X] KIYOSHI SUZUKI ET AL: "Generation and characterization of a series of monoclonal antibodies that specifically recognize [HexA(Å Å+-2S)-GlcNAc]n epitopes in heparan sulfate", GLYCOCONJUGATE JOURNAL, KLUWER ACADEMIC PUBLISHERS, BO, vol. 25, no. 8, 7 May 2008 (2008-05-07), pages 703 - 712, XP019642419, ISSN: 1573-4986, DOI: 10.1007/S10719-008-9130-Z
- [Y] A. E. SISMEY-RAGATZ ET AL: "Chemoenzymatic Synthesis with Distinct Pasteurella Heparosan Synthases: MONODISPERSE POLYMERS AND UNNATURAL STRUCTURES", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 282, no. 39, 11 July 2007 (2007-07-11), pages 28321 - 28327, XP055116675, ISSN: 0021-9258, DOI: 10.1074/jbc.M701599200
- See references of WO 2010030342A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010030342 A2 20100318; WO 2010030342 A3 20100617; CA 2773755 A1 20100318; CA 2773755 C 20170425; EP 2341941 A2 20110713; EP 2341941 A4 20141210

DOCDB simple family (application)
US 2009005050 W 20090909; CA 2773755 A 20090909; EP 09813350 A 20090909