

Title (en)  
LOW MOLECULAR WEIGHT HEPARINS INCLUDING AT LEAST ONE COVALENT BOND WITH BIOTIN OR A BIOTIN DERIVATIVE, METHOD FOR MAKING SAME AND USE THEREOF

Title (de)  
HEPARINE VON GERINGEM MOLEKULARGEWICHT MIT MINDESTENS EINER KOVALENTEN BINDUNG MIT BIOTIN ODER EINEM BIOTIN-  
DERIVAT SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)  
HEPARINES DE BAS POIDS MOLECULAIRE COMPRENANT AU MOINS UNE LIAISON COVALENTE AVEC LA BIOTINE OU UN DERIVE DE LA  
BIOTINE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION

Publication  
**EP 2121769 A1 20091125 (FR)**

Application  
**EP 08761873 A 20080212**

Priority  
• FR 2008000173 W 20080212  
• FR 0701055 A 20070214

Abstract (en)  
[origin: FR2912409A1] Heparin derivatives (I) comprising a low molecular weight heparin chain covalently linked to biotin are new. Independent claims are also included for: (1) a process for preparing (I); (2) use of avidin or streptavidin for neutralizing (I). ACTIVITY : Anticoagulant; Cerebroprotective; Neuroprotective. MECHANISM OF ACTION : Factor Xa inhibitor; Factor IIa inhibitor.

IPC 8 full level  
**C08B 37/10** (2006.01); **A61K 31/715** (2006.01)

CPC (source: EP KR US)  
**A61K 31/715** (2013.01 - EP KR US); **A61P 7/02** (2017.12 - EP); **A61P 7/04** (2017.12 - EP); **A61P 9/00** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C08B 37/00** (2013.01 - KR); **C08B 37/0075** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008113919A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**FR 2912409 A1 20080815; FR 2912409 B1 20120824**; AR 065323 A1 20090527; AU 2008228162 A1 20080925; BR PI0807981 A2 20140624; CA 2678168 A1 20080925; CN 101636417 A 20100127; EP 2121769 A1 20091125; IL 200111 A0 20100415; JP 2010518238 A 20100527; JP 5351770 B2 20131127; KR 20090109104 A 20091019; MX 2009008752 A 20090827; RU 2009134188 A 20110320; TW 200846014 A 20081201; US 2010081629 A1 20100401; WO 2008113919 A1 20080925

DOCDB simple family (application)  
**FR 0701055 A 20070214**; AR P080100609 A 20080213; AU 2008228162 A 20080212; BR PI0807981 A 20080212; CA 2678168 A 20080212; CN 200880005216 A 20080212; EP 08761873 A 20080212; FR 2008000173 W 20080212; IL 20011109 A 20090728; JP 2009549440 A 20080212; KR 20097016908 A 20080212; MX 2009008752 A 20080212; RU 2009134188 A 20080212; TW 97104302 A 20080204; US 53922409 A 20090811