

Title (en)
CONTROLLED RELEASE OF NITRIC OXIDE AND DRUGS FROM FUNCTIONALIZED MACROMERS AND OLIGOMERS

Title (de)
VERZÖGERTE FREISETZUNG VON STICKOXID UND WIRKSTOFFEN AUS FUNKTIONALISIERTEN MAKROMEREN UND OLIGOMEREN

Title (fr)
LIBÉRATION CONTRÔLÉE D'OXYDE NITRIQUE ET DE MÉDICAMENTS À PARTI DE MACROMÈRES ET D'OLIGOMÈRES FONCTIONNALISÉS

Publication
EP 2398761 A2 20111228 (EN)

Application
EP 10744155 A 20100211

Priority

- US 2010023845 W 20100211
- US 15334909 P 20090218
- US 50885409 A 20090724
- US 24943309 P 20091007

Abstract (en)
[origin: WO2010096320A2] The present invention provides NO and, optionally, drug releasing macromers and oligomers wherein the drug molecule and NO releasing moiety are linked an absorbable macromer or oligomeric chain susceptible to hydrolytic degradation and wherein the macromer or oligomer comprises of repeat units derived from safe and biocompatible molecules such as glycolic acid, lactic acid, caprolactone and p-dioxanone. Furthermore, the present invention relates to controlled release of nitric oxide (NO) and/or drug molecule from a NO and drug releasing macromer or oligomer. Moreover, the present invention also relates to medical devices, medical device coatings and therapeutic formulations comprising of nitric oxide and drug releasing macromers and oligomers of the present invention.

IPC 8 full level
C07C 203/04 (2006.01); **A61K 47/16** (2006.01); **A61K 47/48** (2006.01); **A61L 17/00** (2006.01); **A61L 17/12** (2006.01); **A61L 17/14** (2006.01); **A61L 27/14** (2006.01); **A61L 31/10** (2006.01); **A61L 31/14** (2006.01); **A61L 31/16** (2006.01); **A61P 25/00** (2006.01); **A61P 35/00** (2006.01); **C07C 233/25** (2006.01); **C07C 233/31** (2006.01); **C07C 233/33** (2006.01); **C07C 235/12** (2006.01); **C07C 235/16** (2006.01); **C08G 63/685** (2006.01)

CPC (source: EP)
A61K 47/55 (2017.07); **A61L 17/005** (2013.01); **A61L 17/12** (2013.01); **A61L 17/145** (2013.01); **A61L 31/10** (2013.01); **A61L 31/148** (2013.01); **A61L 31/16** (2013.01); **A61P 25/00** (2017.12); **A61P 35/00** (2017.12); **C07C 203/04** (2013.01); **C07C 233/25** (2013.01); **C07C 235/12** (2013.01); **C07C 235/16** (2013.01); **C08G 63/6852** (2013.01); **A61L 2300/114** (2013.01); **C08G 2650/34** (2013.01)

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 2010096320 A2 20100826; WO 2010096320 A3 20110203; EP 2398761 A2 20111228; EP 2398761 A4 20151104

DOCDB simple family (application)
US 2010023845 W 20100211; EP 10744155 A 20100211