

Title (en)
NOVEL POLYMERS HAVING LOW POLYDISPERSITY

Title (de)
NEUE POLYMERE MIT NIEDRIGER POLYDISPERSITÄT

Title (fr)
NOUVEAUX POLYMÈRES À POLYDISPERSITÉ MOINDRE

Publication
EP 2328950 A1 20110608 (DE)

Application
EP 09778281 A 20090902

Priority
• EP 2009006355 W 20090902
• DE 102008049037 A 20080925

Abstract (en)
[origin: WO2010034393A1] The present invention relates to novel polymers, comprising one or more recurrent units selected from the group consisting of spirobifluorene, indenofluorene, phenanthrene, dihydrophenanthrene, dihydropyrene, tetrahydropyrene and dihydrobenzooxepine derivatives and having low polydispersity and a high molecular weight. The invention further relates to a method for the production thereof, to blends and to formulations comprising said polymers and to the use of said polymers in electronic devices, particularly in organic light emitting diodes, so-called OLEDs (OLED = Organic Light Emitting Diode).

IPC 8 full level
C08G 61/02 (2006.01); **C08G 61/10** (2006.01); **C08G 61/12** (2006.01); **H01B 1/12** (2006.01); **H01L 51/00** (2006.01)

CPC (source: EP US)
C08G 61/02 (2013.01 - EP US); **C08G 61/10** (2013.01 - EP US); **C08G 61/12** (2013.01 - EP US); **C08G 61/122** (2013.01 - EP US); **C09B 69/109** (2013.01 - EP US); **H10K 85/115** (2023.02 - EP US); **H10K 50/11** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)
See references of WO 2010034393A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010034393 A1 20100401; CN 102076737 A 20110525; DE 102008049037 A1 20100422; EP 2328950 A1 20110608; JP 2012503684 A 20120209; JP 5710484 B2 20150430; KR 101660991 B1 20160928; KR 20110073387 A 20110629; US 2011095280 A1 20110428

DOCDB simple family (application)
EP 2009006355 W 20090902; CN 200980124740 A 20090902; DE 102008049037 A 20080925; EP 09778281 A 20090902; JP 2011528207 A 20090902; KR 20107028526 A 20090902; US 200913001221 A 20090902