

Title (en)  
POLYMERIZABLE CHIRAL COMPOUNDS CONTAINING 2,6-NAPHTHYL- AND ISOMANNITE UNITS, AND USE THEREOF AS CHIRAL DOPANTS

Title (de)  
POLYMERISIERBARE CHIRALE VERBINDUNGEN, ENTHALTEND 2,6-NAPHTHYL- UND ISOMANNIT-EINHEITEN, UND DEREN VERWENDUNG ALS CHIRALE DOTIERSTOFFE

Title (fr)  
COMPOSÉS CHIRAUX POLYMÉRISABLES, CONTENANT DES UNITÉS DE NAPHTYLE-2,6 ET ISOMANNITE, ET LEUR UTILISATION COMME AGENTS DOPANTS CHIRAUX

Publication  
**EP 2297165 A1 20110323 (DE)**

Application  
**EP 09765748 A 20090604**

Priority  

- EP 2009056857 W 20090604
- EP 08158439 A 20080617
- EP 09765748 A 20090604

Abstract (en)  
[origin: WO2009153168A1] The present invention relates to compounds of the general formula (I) in which the variables have the following meaning: W is a grouping (Y4-T2-)s(Y3-A2-)tY2-Z2, Z1, Z2 are non-reactive radicals of reactive radicals for promoting polymerization independent of one another as defined more precisely in the description, A1, A2 are spacers independent of one another as defined more precisely in the description, Y1 through Y5 are linking units as defined more precisely in the description, Y6 is a single chemical bond or -CO-, T1, T2 are bivalent saturated or unsaturated, optionally substituted and optionally fused iso- or heterocyclic radicals independent of one another as defined more precisely in the description, Q indicates substituents as defined more precisely in the description, r, t are 0 or 1 independent of one another, s is 0, 1, 2 or 3 and q is 0, 1, 2, 3 or 4. The invention further relates to a fluid-crystalline composition that comprises at least one compound of the formula (I) and the use of the compounds of formula (I) as chiral dopants.

IPC 8 full level  
**C07D 493/04** (2006.01); **C09K 19/00** (2006.01)

CPC (source: EP US)  
**C07D 493/04** (2013.01 - EP US); **C09K 19/588** (2013.01 - EP US); **C09K 2019/0448** (2013.01 - EP US); **C09K 2323/00** (2020.08 - US)

Citation (search report)  
See references of WO 2009153168A1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009153168 A1 20091223**; CN 102066382 A 20110518; EP 2297165 A1 20110323; JP 2011525482 A 20110922; TW 201011035 A 20100316; US 2011092718 A1 20110421; US 8608977 B2 20131217

DOCDB simple family (application)  
**EP 2009056857 W 20090604**; CN 200980123050 A 20090604; EP 09765748 A 20090604; JP 2011513978 A 20090604; TW 98120174 A 20090616; US 99654309 A 20090604