

Title (en)
BLACK FIBER COLORING

Title (de)
SCHWARZE FASEREINFÄRBUNG

Title (fr)
COLORATION NOIRE DES FIBRES DANS LA MASSE

Publication
EP 2288742 B1 20141203 (DE)

Application
EP 09757524 A 20090602

Priority

- EP 2009056748 W 20090602
- EP 08157581 A 20080604
- EP 09757524 A 20090602

Abstract (en)
[origin: WO2009147143A2] Fibers, in particular black, brown or gray fibers, containing IR-transparent dyes. IR-transparent dyes can be di-, tri- or multichrome dyes or pigments, in particular perylene pigments. The fibers can contain perylene pigments containing one of the isomers of formula Ia or Ib in which the radicals R1 and R2 indicate phenylene, naphthylene or pyridylene independent of one another, said phenylene, naphthylene or pyridylene optionally being singly- or multiply-substituted by C1-C12 alkyl, C1-C6 alkoxy, hydroxy and/or halogen, or a mixture of both isomers. Fiber materials under consideration include plastics or glass. The fibers are used for thermal management, among other things, or for the production of textiles or fabrics.

IPC 8 full level
C03B 37/00 (2006.01); **D01F 1/02** (2006.01); **D03D 15/12** (2006.01)

CPC (source: EP US)
D01F 1/04 (2013.01 - EP US); **D03D 15/54** (2021.01 - EP US); **Y10T 428/249921** (2015.04 - EP US)

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

DOCDB simple family (publication)
WO 2009147143 A2 20091210; WO 2009147143 A3 20110203; BR PI0913244 A2 20160119; CN 102057085 A 20110511; EP 2288742 A2 20110302; EP 2288742 B1 20141203; JP 2011523983 A 20110825; JP 5615269 B2 20141029; MX 2010013106 A 20101220; US 2011064935 A1 20110317; US 9765446 B2 20170919

DOCDB simple family (application)
EP 2009056748 W 20090602; BR PI0913244 A 20090602; CN 200980120915 A 20090602; EP 09757524 A 20090602; JP 2011512099 A 20090602; MX 2010013106 A 20090602; US 99419709 A 20090602