Title (en)
PARTICULATE-LOADED POLYMER FIBERS AND EXTRUSION METHODS

Title (de)
PARTIKELBELADENE POLYMERFASERN UND EXTRUSIONSVERFAHREN

Title (fr)
FIBRES OPTIQUES DE PLASTIQUE CHARGÉES EN PARTICULES ET PROCÉDÉS D'EXTRUSION

Publication
EP 2038457 A4 20100714 (EN)

Application
EP 07797468 A 20070515

Priority
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Abstract (en)

[origin: WO2008002724A1] Particulate-loaded polymer fibers along with methods and systems for extruding polymeric fibers are disclosed. The particulate-loaded polymer fibers have a fiber body that includes a polymeric binder with a plurality of particles distributed within the polymeric binder. Some of the particles are completely encapsulated within the polymeric binder and others may be embedded such that they are partially exposed on the outer surface of the fiber body. The polymers used in the fibers may be of high molecular weight and the encapsulated particles may be preferentially distributed towards the outer surfaces of the fibers.

IPC 8 full level
D01F 1/02 (2006.01); **D01D 4/02** (2006.01); **D01F 1/10** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
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• See references of WO 2008002724A1

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DOCDB simple family (application)
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