

Title (en)  
FILLING MATERIALS

Title (de)  
FÜLLMATERIALIEN

Title (fr)  
MATIERES DE REMPLISSAGE

Publication  
**EP 1709647 A1 20061011 (EN)**

Application  
**EP 05704939 A 20050104**

Priority  
• US 2005000105 W 20050104  
• US 53952104 P 20040127

Abstract (en)  
[origin: WO2005073983A1] The present invention relates to a filler material useful for communication cables, such as electrical cables and optical cables. In one embodiment, (a) from about 50 to 95 percent by weight mineral oil; (b) less than about 10 percent by weight block copolymer selected from the group consisting of styrene-ethylene/butylene, styrene-ethylene/propylene, styrene-butadiene-styrene, styrene-isoprene-styrene, styrene-ethylene/butylene-styrene, styrene-ethylene/propylene-styrene, and combinations thereof; (c) less than about 35 percent by weight petroleum wax; (d) less than about 20 percent by weight hollow glass microspheres; and (e) less than about 10 percent by weight thixotropic agent selected from the group consisting of clay, colloidal metal oxide, fumed metal oxide, and combinations thereof.

IPC 8 full level  
**H01B 3/00** (2006.01); **H01B 3/44** (2006.01); **H01B 7/282** (2006.01); **H01B 7/285** (2006.01)

CPC (source: EP KR)  
**H01B 3/00** (2013.01 - KR); **H01B 3/006** (2013.01 - EP); **H01B 3/441** (2013.01 - EP); **H01B 7/285** (2013.01 - EP)

Citation (search report)  
See references of WO 2005073983A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005073983 A1 20050811**; CN 1926642 A 20070307; EP 1709647 A1 20061011; JP 2007522282 A 20070809; KR 20060129327 A 20061215; TW 200604267 A 20060201

DOCDB simple family (application)  
**US 2005000105 W 20050104**; CN 200580006140 A 20050104; EP 05704939 A 20050104; JP 2006551102 A 20050104; KR 20067015189 A 20060727; TW 94101333 A 20050117