

Title (en)  
Cable with low structural elongation

Title (de)  
Seil mit geringer struktureller Dehnung

Title (fr)  
Câble à bas allongement structurel

Publication  
**EP 1942224 A1 20080709 (EN)**

Application  
**EP 07000237 A 20070108**

Priority  
EP 07000237 A 20070108

Abstract (en)  
A cable (211) is provided comprising a steel cord (212) and a polymer material (215). The steel filaments (213) of the steel cord (212) are coated with an adhesive before the penetration of the polymer material (215). The cable (211) has a structural elongation less than 0.025% and an E module 4% greater than the E module of the steel cord (212). These two improvements further decrease the total elongation of the cable at certain load.

IPC 8 full level  
**D07B 1/06** (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP KR US)  
**D07B 1/06** (2013.01 - KR); **D07B 1/0673** (2013.01 - EP US); **D07B 1/16** (2013.01 - EP KR US); **D07B 2201/2079** (2013.01 - EP US); **D07B 2401/201** (2013.01 - EP US); **D07B 2501/2084** (2013.01 - EP US); **Y10T 428/294** (2015.01 - EP US)

Citation (search report)

- [DX] WO 2005043003 A1 20050512 - BEKAERT SA NV [BE], et al
- [DX] WO 03044267 A1 20030530 - BEKAERT SA NV [BE], et al
- [A] WO 2004076327 A1 20040910 - BEKAERT SA NV [BE], et al

Cited by  
CN102209678A; WO2010052075A1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1942224 A1 20080709**; CN 101578415 A 20091111; CN 101578415 B 20120822; EP 2104764 A1 20090930; EP 2104764 B1 20120627; ES 2387220 T3 20120918; JP 2010515833 A 20100513; JP 5289329 B2 20130911; KR 101444488 B1 20140924; KR 20090097186 A 20090915; PL 2104764 T3 20121031; PT 2104764 E 20120823; US 2010009184 A1 20100114; WO 2008084010 A1 20080717

DOCDB simple family (application)  
**EP 07000237 A 20070108**; CN 200880001876 A 20080104; EP 08701235 A 20080104; EP 2008050053 W 20080104; ES 08701235 T 20080104; JP 2009545160 A 20080104; KR 20097014218 A 20080104; PL 08701235 T 20080104; PT 08701235 T 20080104; US 52233208 A 20080104