

Title (en)

COMPOSITE YARN AND PRODUCTS MADE THEREFROM

Title (de)

VERBUNDGARN UND ERZEUGNISSE DARAUS

Title (fr)

FIL COMPOSITE ET PRODUITS FABRIQUES A PARTIR D'UN TEL FIL

Publication

EP 1680538 A4 20110323 (EN)

Application

EP 04794205 A 20041026

Priority

- US 2004032767 W 20041026
- US 69397103 A 20031028

Abstract (en)

[origin: US2005086924A1] A composite cut-resistant yarn is provided that has no high-performance fibers present and has wire only in the core, yet is comparable in cut-resistance characteristics, the yarn containing a core of at least one fiberglass strand and at least one wire strand, either parallel or twisted about one another, and at least one cover strand made from non-metallic non-high performance fiber, along with fabric made therefrom, and protective articles and garments made from the fabric.

IPC 8 full level

D02G 3/02 (2006.01); **D02G 3/12** (2006.01); **D02G 3/44** (2006.01)

CPC (source: EP KR US)

D02G 3/12 (2013.01 - EP KR US); **D02G 3/185** (2013.01 - EP US); **D02G 3/44** (2013.01 - KR); **D02G 3/442** (2013.01 - EP US); **D04B 1/28** (2013.01 - EP); **D10B 2101/06** (2013.01 - EP); **D10B 2101/20** (2013.01 - EP)

Citation (search report)

- [X] US 6467251 B1 20021022 - KOLMES NATHANIEL H [US]
- [X] US 2003074879 A1 20030424 - PATRICK GILBERT [US]
- [X] EP 1148159 A1 20011024 - SUPREME ELASTIC CORP [US]
- [X] US 5721179 A 19980224 - SHI LIE [US], et al
- See references of WO 2005045109A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 69397103 A 20031028; AU 2004287042 A 20041026; CA 2543654 A 20041026; CN 200480035484 A 20041026; EP 04794205 A 20041026; JP 2006538014 A 20041026; KR 20067008370 A 20060428; US 2004032767 W 20041026