

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)  
**US 2005086924 A1 20050428**; AU 2004287042 A1 20050519; AU 2004287042 B2 20100701; CA 2543654 A1 20050519; CN 1886539 A 20061227; EP 1680538 A2 20060719; EP 1680538 A4 20110323; JP 2007514060 A 20070531; KR 20060120059 A 20061124; WO 2005045109 A2 20050519; WO 2005045109 A3 20051103

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