

Title (en)  
MULTIAXIAL COMPLEX

Title (de)  
MULTIAXIALKOMPLEX

Title (fr)  
COMPLEXE MULTIAXIAL

Publication  
**EP 1723278 B1 20070905 (DE)**

Application  
**EP 04718911 A 20040310**

Priority  
DE 2004000459 W 20040310

Abstract (en)  
[origin: WO2005087996A1] The invention relates to a multiaxial complex consisting of multifilament threads which are formed from endless filaments, wherein the multifilament threads are placed on top of each other in various orientations and the threads of positions 0 DEG extend in the direction of production and the multifilament threads of positions 0 DEG are placed in between the remaining multifilament layers which are disposed in various orientations and are spread apart before placement and are placed onto the previous multifilament position without any torsion.

IPC 8 full level  
**D04B 21/14** (2006.01); **D04B 23/10** (2006.01)

CPC (source: EP US)  
**D04B 21/14** (2013.01 - EP US); **D04B 23/10** (2013.01 - EP US); **D10B 2403/02412** (2013.01 - EP US); **Y10T 442/3195** (2015.04 - EP US);  
**Y10T 442/3203** (2015.04 - EP US); **Y10T 442/3211** (2015.04 - EP US)

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)

**WO 2005087996 A1 20050922**; AU 2004317170 A1 20050922; AU 2004317170 B2 20080717; BR PI0418620 A 20070502;  
BR PI0418620 B1 20150120; CA 2556612 A1 20050922; CA 2556612 C 20110405; CN 1926271 A 20070307; DE 502004004917 D1 20071018;  
DK 1723278 T3 20071227; EP 1723278 A1 20061122; EP 1723278 B1 20070905; ES 2290682 T3 20080216; IL 177269 A0 20061210;  
JP 2007538161 A 20071227; JP 4820813 B2 20111124; NO 20064622 L 20061009; NO 337408 B1 20160411; PL 1723278 T3 20080331;  
PT 1723278 E 20071217; US 2007184738 A1 20070809; US 7690092 B2 20100406

DOCDB simple family (application)

**DE 2004000459 W 20040310**; AU 2004317170 A 20040310; BR PI0418620 A 20040310; CA 2556612 A 20040310;  
CN 200480041923 A 20040310; DE 502004004917 T 20040310; DK 04718911 T 20040310; EP 04718911 A 20040310;  
ES 04718911 T 20040310; IL 17726906 A 20060803; JP 2007502178 A 20040310; NO 20064622 A 20061009; PL 04718911 T 20040310;  
PT 04718911 T 20040310; US 59872704 A 20040310