

Title (en)

GLASS YARNS CAPABLE OF REINFORCING ORGANIC AND/OR INORGANIC MATERIALS

Title (de)

GLASGARNE, DIE ZUR VERSTÄRKUNG VON ORGANISCHEN UND/ODER ANORGANISCHEN STOFFEN BEFÄHIGT SIND

Title (fr)

FILS DE VERRE APTES A RENFORCER DES MATIERES ORGANIQUES ET/OU INORGANIQUES

Publication

**EP 2094615 A2 20090902 (FR)**

Application

**EP 07871978 A 20071219**

Priority

- FR 2007052565 W 20071219
- FR 0655867 A 20061222

Abstract (en)

[origin: FR2910462A1] Glass yarn, which is free of boron oxide, comprises silicon dioxide (55-65 wt.%), aluminum oxide (9-16 wt.%), calcium oxide (15-26 wt.%), magnesium oxide (1-5 wt.%), mixture of barium oxide and strontium oxide (0.5-5 wt.%), mixture of sodium oxide, potassium oxide and lithium oxide (0-2 wt.%), titanium dioxide (0-1 wt.%), zinc oxide (0-2 wt.%) and zirconium oxide (0-2 wt.%). Independent claims are included for: (1) a composite of glass yarn and organic and/or inorganic material comprising the glass yarn; and (2) a preparation of the glass yarn comprising stretching in the form of continuous filament sheet of molten glass nettings flowing through several openings disposed at the base of one or more nozzle, and assembling the filaments in yarn collected on a moving support.

IPC 8 full level

**C03C 13/00** (2006.01)

CPC (source: EP KR US)

**C03C 3/087** (2013.01 - KR); **C03C 13/00** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2008087327A2

Citation (examination)

US 2003224922 A1 20031204 - WALLENBERGER FREDERICK T [US]

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DOCDB simple family (publication)

**FR 2910462 A1 20080627; FR 2910462 B1 20100423**; BR PI0720930 A2 20140311; BR PI0720930 B1 20180710; CA 2673473 A1 20080724; CN 101573304 A 20091104; CN 101573304 B 20131225; EA 017104 B1 20120928; EA 200970632 A1 20091230; EP 2094615 A2 20090902; JP 2010513207 A 20100430; JP 2014205614 A 20141030; JP 5809324 B2 20151110; KR 101496475 B1 20150226; KR 20090092293 A 20090831; MX 2009006087 A 20090624; TW 200838820 A 20081001; TW I404692 B 20130811; US 2010093511 A1 20100415; US 8173560 B2 20120508; WO 2008087327 A2 20080724; WO 2008087327 A3 20081127

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