

Title (en)

LOW ALUMINA CONTENT GLASS YARNS FOR REINFORCING ORGANIC MATERIALS

Title (de)

ZUR VERSTÄRKUNG ORGANISCHER MATERIALIEN GEEIGNETE GLASGARNE MIT GERINGEM TONERDEGEHALT

Title (fr)

FILS DE VERRE A FAIBLE TENEUR EN ALUMINE APTES A RENFORCER DES MATIERES ORGANIQUES

Publication

EP 2215027 A2 20100811 (FR)

Application

EP 08845842 A 20081030

Priority

- FR 2008051953 W 20081030
- FR 0758731 A 20071031

Abstract (en)

[origin: WO2009056768A2] The invention relates to glass reinforcement yarns having a composition containing the following constituents within the predetermined following limits in weight percent: SiO₂ 62 - 72 % Al₂O₃ 2 - 10 % CaO 7 - 20 % MgO 1 - 7 % Na₂O + K₂O + Li₂O 10 - 14.5 % Li₂O - 2 % BaO + SrO + ZnO 0 - 4 % B₂O₃ 0 - 4 % F₂ 0 - 2 % As₂O₃ 0 - 0.15 %. These yarns are made of an economical glass that provides an excellent balance between the mechanical properties comprising the tensile strength and the fibre forming conditions. The invention also relates to composites containing organic and/or inorganic material(s) and to the above glass yarns.

IPC 8 full level

C03C 13/00 (2006.01); **C03C 3/087** (2006.01)

CPC (source: EP US)

C03C 13/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2009056768A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2922885 A1 20090501; FR 2922885 B1 20101029; CN 101842327 A 20100922; CN 101842327 B 20130619; EP 2215027 A2 20100811; MX 2010004443 A 20100505; US 2010248928 A1 20100930; US 8367571 B2 20130205; WO 2009056768 A2 20090507; WO 2009056768 A3 20090625

DOCDB simple family (application)

FR 0758731 A 20071031; CN 200880113943 A 20081030; EP 08845842 A 20081030; FR 2008051953 W 20081030; MX 2010004443 A 20081030; US 73987108 A 20081030