

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: SiO<sub>2</sub> 62 - 72 % Al<sub>2</sub>O<sub>3</sub> 2 - 10 % CaO 7 - 20 % MgO 1 - 7 % Na<sub>2</sub>O + K<sub>2</sub>O + Li<sub>2</sub>O 10 - 14.5 % Li<sub>2</sub>O 0 - 2 % BaO + SrO + ZnO 0 - 4 % B<sub>2</sub>O<sub>3</sub> 0 - 4 % F<sub>2</sub> 0 - 2 % As<sub>2</sub>O<sub>3</sub> 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

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