

Title (en)  
IMPREGNATED GLASS FIBER STRANDS AND PRODUCTS INCLUDING THE SAME

Title (de)  
IMPRÄGNIERTE GLASSPINNFÄDEN UND DIESE ENTHALTENDE PRODUKTE

Title (fr)  
FILAMENTS DE FIBRE DE VERRE IMPREGNES ET PRODUITS LES COMPRENANT

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Application  
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- US 9921442 W 19991008
- US 18356200 P 20000218
- US 52703400 A 20000316
- US 54837900 A 20000412
- US 56891600 A 20000511
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Abstract (en)  
[origin: WO0112702A1] The present invention provides an at least partially coated fiber strand comprising a plurality of glass fibers having a resin compatible coating composition on at least a portion of a surface of at least one of said glass fibers, the resin compatible coating composition comprising: (a) a plurality of lamellar, inorganic particles and (b) at least one polymeric material. The present invention further provides that the resin compatible coating composition comprises (a) a plurality of discrete particles formed from materials selected from non-heat expandable organic materials, inorganic polymeric materials, non-heat expandable composite materials and mixtures thereof, the particles having an average particle size sufficient to allow strand wet out; (b) at least one lubricious material different from said plurality of discrete particles; and (c) at least one film-forming material. The present invention further provides that the resin compatible coating composition comprises (a) a plurality of hollow, non-heat expandable organic particles; and (b) at least one lubricious material different from the at least one hollow organic particle.

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