

Title (en)
SURFACE MODIFIED BI-COMPONENT POLYMERIC FIBER

Title (de)
OBERFLÄCHENMODIFIZIERTE BIKOMPONENTIGE KUNSTSTOFFFASER

Title (fr)
FIBRE POLYMÉRIQUE À DEUX COMPOSANTS MODIFIÉE EN SURFACE

Publication
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Application
EP 06838602 A 20061129

Priority

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- US 29014505 A 20051130

Abstract (en)
[origin: US2007122614A1] The present invention provides a bicomponent fiber having increased surface roughness. The fiber includes a first polymer and a composite, wherein the composite forms a layer which forms at least a portion of the fiber's surface. The composite is formed by a second polymer and a filler, where an average particle size of the filler can be greater than a thickness of the layer formed by the composite. The fibers can have a round, oval, trilobal, triangular, dog-boned, flat or hollow shape and a symmetrical or asymmetrical sheath/core or side-by-side configuration. When the fiber has a sheath/core configuration, the composite can form the sheath, and the average particle size of the filler can be greater than the thickness of the sheath.

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