

Title (en)
ELASTIC COMPOSITE TWIST YARN AND PROCESS FOR PRODUCING SAME, AND PILE TEXTILE PRODUCT OBTAINED USING SAID ELASTIC COMPOSITE TWIST YARN

Title (de)
ELASTISCHER VERBUNDZWIRN UND VERFAHREN ZU SEINER HERSTELLUNG SOWIE AUS DEM ELASTISCHEN VERBUNDZWIRN HERGESTELLTES STAPELTEXTILPRODUKT

Title (fr)
FIL TORSADÉ COMPOSITE ÉLASTIQUE ET PROCÉDÉ POUR SA PRODUCTION, ET PRODUIT TEXTILE À POILS OBTENU À L'AIDE DUDIT FIL TORSADÉ COMPOSITE ÉLASTIQUE

Publication
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Application
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Priority
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Abstract (en)
[origin: US2013287990A1] An elastic composite twisted yarn includes a covered elastic yarn, having a core yarn formed of an elastic yarn and a sheath yarn formed of a thermoplastic multi filament, and first and second low stretch yarns formed of a thermoplastic multi-filament yarn or a spun yarn. The covered elastic yarn is drawn at a predetermined draw ratio to be inserted into the first low stretch yarn in a combined yarn state. The yarn in the combined yarn state and the second low stretch yarn are combined and twisted to obtain an elastic composite twisted yarn. A plurality of heteromorphic micro-loops formed of a constituent single fiber of the sheath yarn, which appears during the relaxation by a contractile force of the covered elastic yarn, protruding from the core yarn to a diameter direction, is usually incorporated into a constituent single fiber of the first low stretch yarn and thermally set.

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