

Title (en)

AIR TEXTURIZING OR AIR ENTANGLING MULTIFILAMENT-MONOFILAMENT HYBRID YARN

Title (de)

LUFTTEXTURIERUNG ODER LUFTVERWIRBELUNG VON MULTIFIL-MONOFIL HYBRIDGARN

Title (fr)

TEXTURATION OU ENCHEVETREMENT PAR JET D'AIR DE FIL HYBRIDE A MULTIFILAMENTS ET MONOFILAMENTS

Publication

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Application

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Abstract (en)

[origin: EP1108806A1] The invention relates to a method for air texturizing or air entangling a metal or metal-containing monofilament yarn (7) with a multifilament yarn (2) to give a novel multifilament-metal monofilament hybrid yarn (9). The monofilament yarn (7) used may, for example, be a full-metal thread, a metal-coated chemical fiber or a metal wire heald. It is supplied to the air texturizing nozzle (5) as the stationary thread/ and or the fancy yarn together with the multifilament yarn (2) and is texturized according to the invention, however, a plurality of differently textured monofilament yarns (7) can also be used. The multifilament yarn (2) or additional monofilament yarns (7) may consist of natural or synthetic continuous fibers. According to the invention, an adequately textile, twist-free, easily processible, very long-wearing and at the same time electroconductive hybrid yarn (9) is obtained. The inventive hybrid yarn is mainly used to be manufactured to give electromagnetically shielded textile fabrics for electrostatic and/or electromagnetic shields for the protection of human beings and technical devices. The inventive material is also used in the production of abrasion-resistant textile fabrics for the automotive industry, of resistance-heatable textile fabrics for the interior of homes or for passenger compartments of vehicles, and of shielding, anti-electrostatic, heatable and/or sensorized garments or textile products.

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