

Title (en)
POLYAMIDE MATERIAL

Title (de)
POLYAMIDMATERIAL

Title (fr)
MATÉRIAU POLYAMIDE

Publication
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Application
EP 18729326 A 20180514

Priority
• EP 17170901 A 20170512
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Abstract (en)
[origin: EP3401355A1] The invention relates to a polyamide material containing a polyamide as the matrix polyamide and fibrillar polyamide particles, wherein at least 10 vol.% of the fibrillar polyamide particles, based on the total volume of the fibrillar polyamide particles, have a diameter of 5 to 1000 nm, and wherein the polyamide molecules that make up the surface of the fibrillar polyamide particles are connected with the matrix polyamide by covalent bonds. The invention further relates to a method for the preparation of a polyamide material according to the invention, a polyamide material obtainable by the method according to the invention, the use of the polyamide material according to the invention for the manufacture of molded parts, fibers or foils, and molded parts, fibers or foils containing a polyamide material according to the invention.

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