Title (en)

TEXTILE MESH STRUCTURE, IN PARTICULAR, A GEOTEXTILE

Title (de)

TEXTILE GITTERSTRUKTUR, INSBESONDERE GEOGITTER

Title (fr)

STRUCTURE TRAME TEXTILE NOTAMMENT TRAME DE GEOTEXTILE

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Application

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Abstract (en)

[origin: US6706376B1] The invention relates to, in particular, a geotextile comprising linear running warp threads (1) and linear running weft threads (2) which are essentially orthogonal thereto. Said weft threads are joined to the warp threads (1) by means of fixing threads (3) which are applied by warp knitting and whose meshes wrap around the warp threads (1) along the entire length and around the weft threads (2) in the area of crossings (4). The warp threads (1) and the weft threads (2) are arranged individually or in groups in larger intervals which result in inner widths (5) of the mesh (6). The aim of the invention is to attain an improved joining of warp threads and weft threads without requiring the use of additional fixing threads or stronger fixing threads. To this end, the invention provides that, in the areas in which the weft threads (2) cross the warp threads (1), the lengths of the meshes (7) of the fixing threads (3) are distinctly shorter than the lengths in the areas of the mesh structure which are located therebetween.

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