

Title (en)
TEXTILE MATERIAL IN SHEET FORM FOR TECHNICAL USES

Title (de)
BAHNFORMIGES TEXTILGUT FÜR TECHNISCHE ZWECKE

Title (fr)
MATERIAU TEXTILE EN NAPPE POUR USAGES TECHNIQUES

Publication
EP 1224346 B1 20040225 (FR)

Application
EP 00968004 A 20001011

Priority
• FR 0002824 W 20001011
• FR 9913552 A 19991025

Abstract (en)
[origin: FR2800100A1] The reinforcement fabric, for construction applications, is formed by interlocked continuous rovings without a twist, such as of glass, carbon and the like. The rovings are woven into a plain weave, or a derivative, with balanced warps (C) and wefts (T). The warp (C) and weft (T) rovings are weakened or cut at set intervals, without altering the roving material character outside the weakened/cut zones. The weak/cut zones, in a succession of warp (C) or weft (T) rovings, are formed by a lateral and vertical stripping action between two consecutive filaments. The rovings for the warps (C) and the wefts (T) are in the form of flat ribbons, wider than their thickness. The widths of the roving bands is 3-15 mm along the warp and the weft lines, with a thickness pref. of 0.3-3.0 mm. The weakened zones are formed at intervals of 5-30 cm, by stripping one filament from a neighboring filament. The material can be used together with a second fabric of staple fibers, formed by stitching/knitting, where the wales are parallel to the warps and between them. An Independent claim is included for the prodn. of the reinforcement fabric where the warps and weft are cut through at regular intervals on one of the material surfaces, without damage to the warps or wefts near the cut sections which are weakened under the cuts. The cuts are by stripping laterally and vertically between two consecutive filaments. A further Independent claim is included for the fabric prodn. where it is passed between two rotating cylinders, with drives synchronized with the fabric movement. One cylinder is fitted with blades on its mantle surface to apply a cutting action and give a satin surface character. Preferred Features: The facing cylinder is clad with rubber or an elastomer. The pressure between the cylinders is adjustable.

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D03J 1/06; **D03D 15/00**; **D06C 13/00**

IPC 8 full level
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