

Title (en)
3D COMPOSITE FABRIC

Title (de)
3D-VERBUNDSTOFF

Title (fr)
TISSU COMPOSITE 3D

Publication
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Application
EP 07858424 A 20071011

Priority
• FR 2007001659 W 20071011
• FR 0609152 A 20061018

Abstract (en)
[origin: FR2907475A1] Woven fabric comprises weft and warp fibers arranged in a structure with a base unit comprising 28 weft fibers forming 8 parallel columns and 12 warp fibers arranged in four parallel staggered planes. Woven fabric comprises weft and warp fibers arranged in a structure with a base unit comprising 28 weft fibers forming 8 parallel columns, in which columns 1, 3, 5 and 7 each comprise four fibers and columns 2, 4, 6 and 8 each comprise three fibers, where the columns are equally spaced and the weft fibers extend in seven levels transverse to the columns; and 12 warp fibers arranged in four parallel staggered planes, namely a first plane in which a first warp fiber passes over the first weft fiber of column 1, under the second weft fiber of column 5 and over the first weft fiber of column 1 in the next unit, and second and third warp fibers extend parallel to the first warp fiber; a second plane in which a first warp fiber extends parallel to the seven levels and passes above the first weft fiber of columns 2, 4, 6 and 8 and under the first weft fiber of columns 1, 3, 5 and 7; a third plane in which three warp fibers extend parallel to the warp fibers of the first plane; and a fourth plane in which three warp fibers extend parallel to the warp fibers of the second plane so that they pass under the weft fibers of columns 2, 4, 6 and 8. An independent claim is also included for a part produced from a fabric as above.

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