

Title (en)
COMPOSITE FABRIC

Title (de)
VERBUNDGEWEBE

Title (fr)
TISSU COMPOSITE

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Application
EP 01974191 A 20010814

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Abstract (en)
[origin: WO0214601A1] The invention relates to a composite fabric, particularly for a paper making wire, containing at least two warp sheets (10, 12) consisting of individual warp threads (8). One of the warp sheets (10) forms an upper side (14) of the fabric and another warp sheet (12) forms a lower side (16) of the fabric. Weft threads (18, 20) are woven into at least the warp sheet (10) which constitutes the upper side (14). By creating an alternating pattern (22) for the warp threads (8) of one warp sheet (10), at least one pair of weft threads (18, 20) are interlaced in the form of supporting weft threads, whereby one of the weft threads (18) produces an alternating pattern (22) for a predetermined number of warp threads (8), and the other weft thread (20) belonging to said pair runs at least partially between both warp sheets (10, 12) and is used as a supporting bridge (24) for several successive warp threads (8) within the respective pattern (22). The two weft threads (18, 20) of each pair of weft threads intersect each other at predetermined points (26) whereby the weft thread (18) forming the pattern (22) is embodied as a thread-supporting bridge (24) and vice-versa, providing transversal stability and at the same time ensuring that the composite fabric is held in a highly flexible manner.

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Citation (search report)
See references of WO 0214601A1

Cited by
DE102013106327A1; DE102013106327B4; US7682995B2; WO2005012634A3; WO2014202277A1; US9528223B2; US10060076B2

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