Title (en)

METHOD FOR ENHANCING THE WEAVING OF A WARP YARN FABRIC HAVING A HIGH MODULUS OF ELASTICITY

Title (de)

VERFAHREN ZUR VERBESSERUNG EINES GEWEBES MIT EINER KETTE MIT HOHEM ELASTIZITÄTSMODUL

Title (fr)

PROCEDE POUR AMELIORER LE TISSAGE D'UNE ETOFFE DE FILS DE CHAINE A MODULE D'ELASTICITE ELEVEE

Publication

EP 0918897 A1 19990602 (FR)

Application

EP 97931856 A 19970703

Priority

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Abstract (en)

[origin: WO9803709A1] A method for enhancing the weaving of a warp yarn fabric having a high modulus of elasticity, wherein a sheet of parallel warp yarns (3) is continuously unwound from a beam (1), the sheet is fed over a whip roll (4), a shed (9) is formed using heddles (7, 8), said shed being defined in the forward direction of the warp by a shed opening point (15) on the inlet side and a fell point (10) on the opposite side, a weft yarn is inserted into the shed close to the fell point (10) to form a fabric, and the resulting fabric is evenly pulled and wound. According to the method, the warp yarns (3) are heated in an area adjacent to the shed opening point to a temperature high enough to cause a local reduction in the modulus of elasticity of the warp yarns (plus stretching thereof in the case of thermoplastic yarns), whereafter the warp yarns are cooled in the shed before they reach the heddles (7, 8).

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CPC (source: EP KR US)

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