Title (en)

METHOD OF WEAVING WITH INCREASED CROSSING OF WARP AND WEAVING LOOM FOR PERFORMANCE OF THE METHOD

Title (de)

VERFAHREN ZUM WEBEN UNTER ERHÖHTER VERKREUZUNG DER KETTE SOWIE WEBSTUHL ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE TISSAGE AVEC UNE CROISURE ACCRUE DE CHAÎNE ET MÉTIER À TISSER POUR EFFECTUER LE PROCÉDÉ

Publication

**EP 2099965 A2 20090916 (EN)**

Application

**EP 07855987 A 20071218**

Priority

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- CZ 2006817 A 20061221

Abstract (en)

[origin: WO2008074268A2] The invention relates to the method of weaving with increased crossing of warp, at which the shed for one working cycle is created in two synchronised sectors (IZ1 SZ), out of which in the first, pulse sector (IZ), the warp threads are separated into branches according to the specified pattern of weaving, and in the second, force sector (SZ), an increased crossing of warp branches separated in pulse sector (IZ) is performed, through which the weaving resistance is overcome and space for weft insertion is created, at the same time the activity in both sectors (IZ, SZ) is running continuously and is mutually synchronised. The invention also relates to the weaving loom for weaving with increased crossing of warp comprising the warp beam with package of warp threads, device for shed creating, loose weaving reed (1c), device for insertion of weft into shed and cloth roller for winding of fabric. The device for creating of shed comprises the device of pulse sector (IZ) for separation of warp threads into branches and device of force sector (SZ) for realisation of increased crossing of warp, while both devices are driven synchronously.

IPC 8 full level

**D03C 13/00** (2006.01)

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