

Title (en)

Weaving machine with cam disc for homogenising warp tension

Title (de)

Webmaschine mit Kurvenscheibe zum Vergleichmäßigen der Kettfadenspannung

Title (fr)

Métiers à tisser avec came pour égaliser la tension des fils de chaîne

Publication

EP 2664700 A1 20131120 (EN)

Application

EP 13164842 A 20130423

Priority

IN 1618CH2012 A 20120424

Abstract (en)

The present invention relates to heald frames movement using a modified cam mechanism in weaving machines. The modified cam mechanism having at least two protrusions for lifting the heald frames such that shed formed between plurality of warp yarns for passage of the weft carrier on a weaving loom remains in lower to middle region of the shed during beating up operation. During beating up operation at pre-determined angle of the modified cam, the warp yarns are loaded equally and oscillating backrest is synchronized to take up difference in length of warp yarns as the heald frame moves irrespective of the weave. Further, the present invention relates to an improvement in the weave ability of yarns with near zero elasticity at high speeds without creating high peak tensions.

IPC 8 full level

D03C 5/04 (2006.01); **D03D 49/14** (2006.01)

CPC (source: EP)

D03C 5/04 (2013.01); **D03D 49/14** (2013.01)

Citation (applicant)

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- GB 290382 A 19280517 - RENNY FRANKLAND
- GB 1063688 A 19670330 - TRIPETTE & RENAUD
- GB 1077296 A 19670726 - CLUTSOM AND KEMP LTD
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Citation (search report)

- [X] DE 102007015411 A1 20081002 - GROZ BECKERT KG [DE]
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Designated contracting state (EPC)

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