

Title (en)

Let-off control method and let-off control device for loom including temple device having automatic temple position switching mechanism

Title (de)

Ablastssteuerungsverfahren und Ablastssteuerungsvorrichtung für Webmaschine, die eine Breithaltervorrichtung mit einem automatischen Breithalterpostionsschaltmechanismus beinhaltet

Title (fr)

Procédé de contrôle de relâchement et dispositif de contrôle de relâchement pour métier à tisser incluant un dispositif de templet doté d'un mécanisme de commutation de la position du templet

Publication

EP 2392706 A3 20141210 (EN)

Application

EP 11003250 A 20110418

Priority

JP 2010117678 A 20100521

Abstract (en)

[origin: EP2392706A2] In a warp let-off control method performed by a let-off device of a loom, the loom used for weaving a fabric (2a) having two or more weave sections with different densities, the loom including the let-off device that controls an amount of warp let-off by performing let-off control in which a let-off motor (5c) is driven in accordance with a detected tension and a target tension, and a temple device (40) including a temple (41) that is displaceable between an operating position and a standby position, the temple device automatically switching a position of the temple between the two positions in accordance with a weft density of one of the weave sections to be woven, the method includes controlling driving of a let-off motor with a control mode during a control period including a period during which the temple is displaced, the control mode adjusting an amount of warp let-off in a direction such that a change in a warp tension due to the displacement of the temple is cancelled out, the control mode being different from a control mode for performing let-off control in a normal operation of the loom after the control period.

IPC 8 full level

D03J 1/22 (2006.01); **D03D 49/10** (2006.01)

CPC (source: EP)

D03D 49/10 (2013.01); **D03J 1/22** (2013.01)

Citation (search report)

- [AD] US 5065796 A 19911119 - ROACH ERNEST F [US], et al
- [A] DE 9006343 U1 19900920
- [A] DD 261383 A1 19881026 - FUERSTENWALDE REIFEN VEB K [DD]

Cited by

ITMI20120340A1; WO2013132312A2; WO2013132312A3

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2392706 A2 20111207; **EP 2392706 A3 20141210**; **EP 2392706 B1 20160921**; CN 102251340 A 20111123; CN 102251340 B 20140402; JP 2011246821 A 20111208; JP 5564329 B2 20140730

DOCDB simple family (application)

EP 11003250 A 20110418; CN 201110119617 A 20110506; JP 2010117678 A 20100521