

Title (en)

Let-off device of loom using positive easing mechanism

Title (de)

Webmaschinenkettfadenablassvorrichtung mit positivem Streichbaumtragmechanismus

Title (fr)

Dispositif de déroulage de fils de chaîne d'un métier à tisser utilisant un mécanisme positive de support pour le porte-fils

Publication

**EP 2184390 A1 20100512 (EN)**

Application

**EP 09013172 A 20091019**

Priority

JP 2008288054 A 20081110

Abstract (en)

A let-off device (1) of a loom uses a positive easing mechanism (5), which includes a tension lever (10) supporting the easing roller (4) and swingably supported by a first shaft (10a), a second lever (20) supporting the first shaft (10a) and swingably provided at a second shaft (20a) fixedly arranged at a frame (F) of the loom, and a drive mechanism (30) coupled to the tension lever (10) and driving the tension lever (10) to swing. The drive mechanism (30) includes a drive portion (31) fixed to the frame (F), and a connecting rod (32) coupled to the drive portion (31). The connecting rod (32) is coupled to the tension lever (10) via a third lever (33) and a link (36), the third lever (33) swingably provided at a third shaft (33a) fixedly arranged at the frame (F), the link (36) coupled to the third lever (33).

IPC 8 full level

**D03D 49/12** (2006.01)

CPC (source: EP)

**D03D 49/12** (2013.01); **D03D 49/18** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2184390 A1 20100512**; CN 101736497 A 20100616; CN 101736497 B 20140219; JP 2010111981 A 20100520; JP 5344889 B2 20131120

DOCDB simple family (application)

**EP 09013172 A 20091019**; CN 200910206881 A 20091027; JP 2008288054 A 20081110