

Title (en)

Loom comprising a tension detection apparatus

Title (de)

Webmaschine mit einer Spannungserkennungsvorrichtung

Title (fr)

Métier à tisser avec un appareil de détection de tension

Publication

EP 2584079 B1 20141203 (EN)

Application

EP 12006669 A 20120924

Priority

JP 2011229500 A 20111019

Abstract (en)

[origin: EP2584079A2] A tension detection apparatus for a loom includes a tension detection roller (1) that extends in a weaving-width direction between a pair of loom frames (F) and around which warp yarns (T) or a woven cloth is wound, a tension detection lever (3) provided on at least one of the loom frames (F) and connected to an end portion of the tension detection roller (1) so as to support the end portion, and a tension detector (5) connected to the tension detection lever (3). The tension detection lever (3) includes a base portion (3a) and an arm portion (3c). The base portion (3a) is rotatably supported on the at least one of the loom frames (F) by means of a first shaft (7) that is parallel to the tension detection roller (1). The arm portion (3c) extends from the base portion (3a) and supports a second shaft (9) that supports the tension detection roller (1). The second shaft (9) extends in the weaving-width direction and is supported by the at least one of the loom frames (F), on which the tension detection lever (3) is supported, at a position different in the weaving-width direction from a position at which the second shaft (9) is supported by the tension detection lever (3).

IPC 8 full level

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CPC (source: EP)

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Cited by

WO2018073386A1; EP2937451A1; CN112363548A; CN112697330A; CN113882068A; DE102016220546B3; CN109844198A

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