

Title (en)

Pile fabric loom having pile warp tension adjuster

Title (de)

Frottierwebstuhl mit Vorrichtung zur Einstellung der Polkettenspannung

Title (fr)

Métier pour tissu éponge doté d'un ajusteur de tension de la chaîne de poil

Publication

EP 2194176 A2 20100609 (EN)

Application

EP 09177193 A 20091126

Priority

JP 2008311944 A 20081208

Abstract (en)

A pile fabric loom includes a frame, a pile warp beam, a terry motion roller and a pile warp tension adjuster. The pile warp beam is supported by the frame. The terry motion roller serves to guide pile warp yarns let off from the pile warp beam toward cloth fell. The pile warp tension adjuster is operable to adjust tension of the pile warp yarns. The pile warp tension adjuster has a leaf spring that is located along a path of the pile warp yarns extending from the pile warp beam to the terry motion roller. The leaf spring extends in longitudinal direction of the loom and a first end and a second end. The first end is fixed to the frame. The surface of the second end is in contact with the pile warp yarns. The leaf spring is elastically deformable by the tension of the pile warp yarns.

IPC 8 full level

D03D 39/22 (2006.01)

CPC (source: EP)

D03D 39/223 (2013.01)

Citation (applicant)

- JP 2004011065 A 20040115 - TSUDAKOMA IND CO LTD
- JP S52124970 A 19771020 - NIIDA KIKUO
- JP H1060753 A 19980303 - TOYODA AUTOMATIC LOOM WORKS

Cited by

BE1020813A3; CN107881634A; EP3121320A3; CN106400283A; ITUB20152354A1

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)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 09177193 A 20091126; CN 200910252947 A 20091204; JP 2008311944 A 20081208