

Title (en)
Weft cutting device for loom

Title (de)
Schussfadenschneidvorrichtung für Webmaschine

Title (fr)
Dispositif de découpage de trame pour métier à tisser

Publication
EP 2083104 A3 20100106 (EN)

Application
EP 09000359 A 20090113

Priority
JP 2008012462 A 20080123

Abstract (en)
[origin: EP2083104A2] A weft cutting device for a loom includes a fixed cutter blade (1), a movable cutter blade (2) which is rotatable, and an urging member (5) which causes the fixed and movable cutter blades (1, 2) to be in contact with each other. The fixed and movable cutter blades (1, 2) respectively include edge sections (12, 22) and base sections (13, 23) which continue from the edge sections (12, 22) and which include a rotational center. The base section (13, 23) of at least one of the fixed and movable cutter blades (1, 2) includes a projecting portion (16) which projects toward the other one of the fixed and movable cutter blades (1, 2) in an area which is on a side opposite to the corresponding edge section (12, 22) with respect to the rotational center and which constantly faces the other one of the fixed and movable cutter blades (1, 2) while the movable cutter blade (2) rotates. The fixed and movable cutter blades (1, 2) are caused to be in contact with each other by the urging member (5) at only two positions including a position of the projecting portion (16) and a position corresponding to edges (11, 21) of the edge sections (12, 22).

IPC 8 full level
D03D 49/70 (2006.01)

CPC (source: EP)
D03D 49/70 (2013.01)

Citation (search report)
• [A] FR 2306291 A1 19761029 - LEBOCEY INDUSTRIE [FR]
• [AD] JP 2000328398 A 20001128 - TOYODA AUTOMATIC LOOM WORKS
• [A] JP H1077551 A 19980324 - TOYODA AUTOMATIC LOOM WORKS
• [A] GB 708743 A 19540512 - JOHN STANSFIELD AND SON LTD, et al
• [A] JP 2003221761 A 20030808 - TOYOTA IND CORP

Cited by
CN102560837A; US11571561B2; US9956392B2; US10183160B2; US10589083B2; US11278714B2; US11872390B2; US11975186B2

Designated contracting state (EPC)
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Designated extension state (EPC)
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EP 2083104 A2 20090729; EP 2083104 A3 20100106; CN 101492854 A 20090729; CN 101492854 B 20120111; JP 2009174074 A 20090806

DOCDB simple family (application)
EP 09000359 A 20090113; CN 200910004859 A 20090121; JP 2008012462 A 20080123