

Title (en)
Selvage device

Title (de)
Leistenbildungsvorrichtung

Title (fr)
Dispositif de formation de lisière

Publication
EP 1731640 A3 20100203 (EN)

Application
EP 06010384 A 20060519

Priority
JP 2005164908 A 20050606

Abstract (en)
[origin: EP1731640A2] A selvage device (1) includes two supporters (20, 21) whose movements are restricted to a selvage-shedding direction and having thread guides (32) for guiding selvage threads (3), a driving motor (33) that is rotated in forward and reverse directions, and a motion-converting mechanism converting the rotation of the driving motor to reciprocating motions for the supporters. The motion-converting mechanism includes a first gear (35) attached to an output shaft (34) of the driving motor, a second gear (36) meshed with the first gear and having a first pivotal connecting section (53A) at a position distant from a center of rotation (36a) of the second gear in a radial direction thereof, a second pivotal connecting section (53B) which is provided in one of the first gear and a third gear (37) directly meshed or indirectly linked with the first gear and is positioned distant from a center of rotation (35a, 37a) of the first gear or the third gear in a radial direction thereof, and linking rods (51A, 51B) respectively provided for the two supporters, the linking rods having first ends respectively connected to the first pivotal connecting section and the second pivotal connecting section and second ends connected to the corresponding supporters.

IPC 8 full level
D03C 11/00 (2006.01)

CPC (source: EP KR)
D03C 11/00 (2013.01 - EP); **D03D 47/40** (2013.01 - KR)

Citation (search report)
• [AD] JP H10503563 A 19980331
• [AD] JP 2004308064 A 20041104 - TOYOTA IND CORP

Cited by
WO2018130933A1; BE1024912B1; BE1017768A3; EP4089216A1; US11814756B2; US10988867B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1731640 A2 20061213; EP 1731640 A3 20100203; EP 1731640 B1 20110810; CN 1876915 A 20061213; CN 1876915 B 20100908; JP 2006336171 A 20061214; JP 4718248 B2 20110706; KR 20060127739 A 20061213

DOCDB simple family (application)
EP 06010384 A 20060519; CN 200610088589 A 20060606; JP 2005164908 A 20050606; KR 20060038085 A 20060427