

Title (en)

Rotary leno selvedge mechanism for looms

Title (de)

Rotations-Kantendreher für Webmaschinen

Title (fr)

Mécanisme rotatif pour lisières "pas de gaze" pour métier à tisser

Publication

EP 0674032 B2 20041124 (DE)

Application

EP 95101460 A 19950203

Priority

- DE 4405777 A 19940223
- DE 4405778 A 19940223

Abstract (en)

[origin: US5524678A] A leno selvage device for a loom has a leno rotor ring (7) which is directly driven by its own reversible electric motor, for example, through a power transmission such as a gear belt (6) running around a drive gear pulley (5). The controllable electric motor (20) is operated through a respective program for either oscillating the leno rotor back and forth, e.g. through 180 DEG or for revolving the leno rotor for a number of revolutions in one direction and then for the same number of revolutions in the opposite direction and so forth. The arrangement is such that the central rotational axis (5A) of the drive pulley (5) and the central rotational axis (7A) of the leno rotor ring (7) are positioned in different geometrical planes relative to a carrier arm (2), but in parallel to each other and to the weft insertion direction. The carrier arm (2) provides a plurality of bearing rollers which support the leno rotor ring or disk (7) at the outer circumference thereof by at least two, preferably three guide rollers.

IPC 1-7

D03C 7/08; **D03C 7/04**

IPC 8 full level

D03C 7/00 (2006.01); **D03C 7/04** (2006.01); **D03C 7/08** (2006.01); **D03D 47/44** (2006.01)

CPC (source: EP US)

D03C 7/04 (2013.01 - EP US); **D03C 7/08** (2013.01 - EP US)

Cited by

CN106835424A; CN104988628A

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

US 5524678 A 19960611; DE 59502454 D1 19980716; EP 0674032 A1 19950927; EP 0674032 B1 19980610; EP 0674032 B2 20041124; EP 0777003 A2 19970604; EP 0777003 A3 19970625; JP 2688334 B2 19971210; JP 2933889 B2 19990816; JP H07252751 A 19951003; JP H1037037 A 19980210

DOCDB simple family (application)

US 39155195 A 19950221; DE 59502454 T 19950203; EP 95101460 A 19950203; EP 97101621 A 19950203; JP 3261895 A 19950221; JP 9355797 A 19970411