

Title (en)
Drive for a heald frame of a weaving machine

Title (de)
Antrieb für die Webschäfte einer Webmaschine

Title (fr)
Entraînement des cadres harnais dans les métiers à tisser

Publication
EP 1239068 B1 20050302 (DE)

Application
EP 02001555 A 20020123

Priority
DE 10111017 A 20010307

Abstract (en)
[origin: EP1239068A1] A weaving loom has a drive for a heald shaft with a two-part link to a pushrod. The heald shaft drive is an electric motor with a rotor and stator. The electric motor (4) rotor (4a) has especially an oscillating continual reverse action operation. Each rotor (4a) forms part of an external rotor motor with a swivel arm (4d). The swivel arm has an articulated link point (4c) located outside the motor axial-geometric centreline (8). The link point (4c) is coupled to a pushrod (6) acting on the heald shaft (1). The modular motors are positioned as convenient on a fixed axle (5). The drive for each heald shaft is an electrically controlled linear motor (11) with a reverse-action rotor (11a). The rotor (11a) swivels on the fixed axle (5). The motor is a direct current or alternating current sector motor. If the assembly may have more than one fixed axle (5) to accommodate a number of motors.

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D03C 13/00; **D03C 5/00**

IPC 8 full level
D03D 51/02 (2006.01); **D03C 1/14** (2006.01); **D03C 5/00** (2006.01); **D03C 13/00** (2006.01)

CPC (source: EP US)
D03C 5/00 (2013.01 - EP US); **D03C 13/00** (2013.01 - EP US); **D03C 13/025** (2013.01 - EP US); **D03J 1/008** (2013.01 - EP US)

Cited by
DE102006059879A1; BE1022969B1; KR101288223B1; EP1571246A1; US10704170B2; US7493919B2; WO2016170472A1; WO2008049245A1; TWI413718B

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