

Title (en)

Modular drive system for weaving machines

Title (de)

Modulares Antriebssystem für Webmaschinen

Title (fr)

Système d'entraînement modulaire pour métiers à tisser

Publication

**EP 1775361 A3 20081119 (EN)**

Application

**EP 06122064 A 20061011**

Priority

IT VI20050278 A 20051017

Abstract (en)

[origin: EP1775361A2] A modular drive system (18) for weaving machines, adapted to realise an individual actuation of each mechanism belonging to a set of mechanisms which intervene in the weft insertion cycle and, consequently, in the formation of the fabric, with variable mutual phasing between one actuation and the other, according to the technological weaving needs, and possibility of individual variation of the motion diagram of each servo-mechanism; the drive system (18) comprises a series of control devices, each of which is composed of two parts, of which one operates individually on the assigned drive device, while the second part is integrated inside one common base (19) with the other control devices, regarding the shareable functions of the machine, which can be the system of power supply, communication, management and control, energy recovery or electrical flywheel, and braking for safely stopping the machine, etc.

IPC 8 full level

**D03D 51/00** (2006.01); **D03D 51/02** (2006.01)

CPC (source: EP)

**D03C 1/146** (2013.01); **D03D 47/27** (2013.01); **D03D 47/275** (2013.01); **D03D 51/005** (2013.01); **D03D 51/007** (2013.01)

Citation (search report)

- [X] US 4935863 A 19900619 - CALVAS ROLAND [FR], et al
- [A] WO 9325740 A1 19931223 - AELMHULTS BRUK AB [SE], et al
- [A] US 2003140980 A1 20030731 - OSTYN GEERT [BE]

Cited by

CN102257197A; CN102115941A; CN115142175A; US8408249B2; WO2010071536A1; EP2341170A1

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 RS

DOCDB simple family (publication)

**EP 1775361 A2 20070418**; **EP 1775361 A3 20081119**; CN 1974902 A 20070606; IT VI20050278 A1 20070418; JP 2007126808 A 20070524

DOCDB simple family (application)

**EP 06122064 A 20061011**; CN 200610137303 A 20061017; IT VI20050278 A 20051017; JP 2006282591 A 20061017