

Title (en)
Shedding device of loom

Title (de)
Fachbildungsvorrichtung einer Webmaschine

Title (fr)
Dispositif de formation de la foule d'un métier à tisser

Publication
EP 1477598 B1 20080409 (EN)

Application
EP 04009979 A 20040427

Priority
JP 2003139318 A 20030516

Abstract (en)
[origin: EP1477598A2] A shedding device (10) of a loom (16) comprises a plurality of drive mechanisms (14) provided in one-to-one correspondence to a plurality of heald frames (12). Each drive mechanism (14) includes: a rotary drive source (42); a speed reducer (44) having a reduction shaft (48) connected to an output shaft (50) of the rotary drive source (42) and driven by decelerating a rotation of the output shaft (50) and attached to a shedding device frame (22, 24) different from a loom frame; a bearing (38) disposed in the shedding device frame (22, 24); and a motion converting mechanism (46) having a rod (64) connected to the heald frames (12) and a rotary member (40) and for converting a rotational motion of the reduction shaft (48) into a linear reciprocal motion of the rod (64) through the rotary member (40). The rotary member (40) has a one end portion (54) connected to the reduction shaft (48), the other end portion (56) supported by the bearing (38), and an intermediate portion (58) which is located between the one end portion (54) and the other end portion (56) and to which the rod (64) is swingably connected. <IMAGE>

IPC 8 full level
D03C 5/02 (2006.01); **D03C 13/00** (2006.01)

CPC (source: EP)
D03C 13/00 (2013.01); **D03C 13/025** (2013.01)

Cited by
BE1023394B1; US2017247819A1; EP1564320A3; CN113201836A; BE1016669A3; EP1741816A3; CN111793875A; CN107923078A; CN109853116A; EP3831991A1; EP4269675A3; US7594521B2; US10287713B2; US10494745B2; US10501872B2; WO2017032556A1; WO2017032557A1

Designated contracting state (EPC)
BE CH DE IT LI

DOCDB simple family (publication)
EP 1477598 A2 20041117; EP 1477598 A3 20050427; EP 1477598 B1 20080409; CN 100532668 C 20090826; CN 1550593 A 20041201; DE 602004012919 D1 20080521; DE 602004012919 T2 20090604; JP 2004339655 A 20041202; JP 3984562 B2 20071003

DOCDB simple family (application)
EP 04009979 A 20040427; CN 200410034152 A 20040426; DE 602004012919 T 20040427; JP 2003139318 A 20030516