

Title (en)

Shedding mechanism for looms with shafts and loom incorporating such a mechanism

Title (de)

Fachbildevorrichtung für Webmaschine mit Webschäften und Webmaschine mit einer solchen Vorrichtung

Title (fr)

Dispositif de formation de la foule pour métier à tisser équipé de cadres de lisses, et métier à tisser incorporant un tel dispositif

Publication

**EP 1489208 A1 20041222 (FR)**

Application

**EP 04356106 A 20040618**

Priority

FR 0307407 A 20030619

Abstract (en)

The shed former for a loom having a heddle frame operated by an electrical actuator has the latter in the form of a self-contained assembly (40) with an electric motor (46) and a reduction gear (60) with a hollow wheel (54). The motor's output shaft (44) is fitted with a pinion (52) that meshes with a toothed surface (54a) on the inside of the hollow wheel. The wheel creates a rotary/oscillating motion in a drive shaft connected by a crank and arm to the heddle frame. The reduction gear is located in a housing (56) on one end (44d) of the motor, the housing being enclosed and containing the hollow wheel, pinion and lubricant. The actuator is also fitted with a brake (50).

IPC 1-7

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

IPC 8 full level

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CPC (source: EP)

**D03C 5/00** (2013.01); **D03C 13/00** (2013.01); **D03C 13/025** (2013.01)

Citation (search report)

- [A] EP 0848097 A1 19980617 - SCHOENHERR WEBSTUHLBAU GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)

Cited by

BE1016669A3; EP1741816A3; FR2911882A1; EP1953276A1; EP2251467A1; US7594521B2; US7730910B2; US11993870B2; EP2357271A1

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