

Title (en)

Device for driving knitting needles and loom with such a device

Title (de)

Vorrichtung zum Antrieb von Stricknadeln und Webmaschine mit einer solchen Vorrichtung

Title (fr)

Dispositif d'entraînement d'aiguilles de maillage et métier à tisser équipé d'un tel dispositif

Publication

EP 1598460 A1 20051123 (FR)

Application

EP 05356085 A 20050518

Priority

FR 0405491 A 20040519

Abstract (en)

The meshwork needle drive system consists of a rotary electrical actuator (6) with its output shaft (7) linked kinematically by rotary to reciprocating motion converters, to the meshwork weaving needles (4). The motion converters are spaced at adjustable intervals along the shaft, each driving one needle through a rack and pinion mechanism (8, 9). The shaft has a non-circular cross-section and fits through matching holes in the pinions.

Abstract (fr)

Ce dispositif comprend un actionneur rotatif électrique (6) dont l'arbre de sortie (7) est cinématiquement lié, par des moyens (8, 9) de transformation d'un mouvement rotatif (F5) en mouvement translatif (F2), à plusieurs aiguilles de maillage (5). <IMAGE>

IPC 1-7

D03D 47/06; **D03D 47/42**; **D03D 35/00**

IPC 8 full level

D03D 35/00 (2006.01); **D03D 47/06** (2006.01); **D03D 47/42** (2006.01)

CPC (source: EP KR)

D03D 35/00 (2013.01 - EP KR); **D03D 41/00** (2013.01 - KR); **D03D 47/06** (2013.01 - EP); **D03D 47/40** (2013.01 - KR); **D03D 47/42** (2013.01 - EP)

Citation (search report)

- [A] US 3752195 A 19730814 - LIBBY C
- [A] GB 1389029 A 19750403 - STATNI VYZKUMNY USTAV TEXTILNI

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1598460 A1 20051123; **EP 1598460 B1 20130703**; CN 1699660 A 20051123; CN 1699660 B 20110323; FR 2870548 A1 20051125; FR 2870548 B1 20060630; KR 101208389 B1 20121205; KR 20060046074 A 20060517

DOCDB simple family (application)

EP 05356085 A 20050518; CN 200510069967 A 20050511; FR 0405491 A 20040519; KR 20050041086 A 20050517