

Title (en)

A power transmission device for feed wheels as used in automatic machines, and in through feed moulders for woodworking in particular.

Title (de)

Getriebevorrichtung für Vorschubrollen, geeignet für automatisch arbeitende Maschinen, insbesondere für Holzkehlmaschinen.

Title (fr)

Dispositif de transmission de puissance pour des rouleaux d'avancement utilisés dans des machines automatiques, de préférence machines à moulurer le bois.

Publication

EP 0492033 B1 19931222 (EN)

Application

EP 90830620 A 19901228

Priority

EP 90830620 A 19901228

Abstract (en)

[origin: EP0492033A1] The device comprises a first shaft (8) disposed parallel with the axis of the feed wheel (5), which also provides the pivot for a rocker (9) fashioned as a yoke and is keyed coaxially to a worm wheel (10, 110) rotating internally of and supported by a housing (11, 111), and a second shaft (12), which incorporates a worm profile in mesh with the wheel (10, 110) and is coupled to a motor (7) in such a manner as to set the first shaft (8) in rotation; drive is transmitted from the first shaft (8) to a parallel third shaft (15), carrying the keyed feed wheel (5), through an idle gear (16) supported in a central position by the yoke (9) and meshing with corresponding gears (8a, 15a) afforded by the two interconnected shafts. The resulting train has the advantage of eliminating any jerkiness that could be transmitted through the three shafts.

IPC 1-7

B23Q 3/00; **B27C 5/06**

IPC 8 full level

B23Q 3/00 (2006.01); **B27B 25/02** (2006.01); **B27C 5/06** (2006.01)

CPC (source: EP)

B27B 25/02 (2013.01); **B27C 5/06** (2013.01)

Cited by

CN111496314A

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0492033 A1 19920701; **EP 0492033 B1 19931222**; DE 69005452 D1 19940203; DE 69005452 T2 19940414

DOCDB simple family (application)

EP 90830620 A 19901228; DE 69005452 T 19901228