

Title (en)
ALTERNATING ACTUATION DEVICE, AND NEEDLING MACHINE PROVIDED THEREWITH

Title (de)
GETRIEBE FÜR HIN- UND HERBEWEGUNG UND DAMIT AUSGERÜSTETE NADELMASCHINEN

Title (fr)
DISPOSITIF D'ACTIONNEMENT ALTERNATIF ET AIGUILLETEUSE AINSI EQUIPEE

Publication
EP 0803001 B1 19990714 (FR)

Application
EP 96901384 A 19960112

Priority
• FR 9600053 W 19960112
• FR 9500294 A 19950112

Abstract (en)
[origin: WO9621764A1] The needling machine comprises a support (1) and a stripper (2) defining a path for a lap (3). A needle board (7) supported by sliding rods (11) has a reciprocating motion between the represented maximum penetration position and the withdrawal position by means of two rod-excentric devices comprising each a rod (19) hinged to the sliding rod (11). Each pair of rods is hinged to a crankshaft (23) supported by bearings (34) and carrying equilibration means (27). The bearings are supported by wholes (39) in a position situated axially between the excentrics (22) and the equilibration means (27). The crankshaft (23) comes out of the crankcase through simple sealing liners (36). Utilization for rigidifying the crankcase and reducing the deformations permitted to the crankshaft in order to increase the striking rate.

IPC 1-7
D04H 18/00

IPC 8 full level
D04H 18/00 (2012.01); **D04H 18/02** (2012.01)

CPC (source: EP US)
D04H 18/00 (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US); **Y10T 74/18208** (2015.01 - EP US); **Y10T 74/2186** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE DE ES FR GB IT

DOCDB simple family (publication)
WO 9621764 A1 19960718; AT E182189 T1 19990715; CA 2210465 A1 19960718; DE 69603250 D1 19990819; DE 69603250 T2 20000316; EP 0803001 A1 19971029; EP 0803001 B1 19990714; ES 2135867 T3 19991101; FR 2729405 A1 19960719; FR 2729405 B1 19970418; JP H10512021 A 19981117; US 5873152 A 19990223

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