

Title (en)

DEVICE FOR CONTROLLING THE THREAD LEVER OF A BRAIDER AND A BRAIDER

Title (de)

VORRICHTUNG ZUR STEUERUNG DES FADENHEBELS EINER FLECHTMASCHINE UND FLECHTMASCHINE

Title (fr)

DISPOSITIF POUR COMMANDER LE LEVIER PORTE-FIL D'UN METIER A TRESSER, ET METIER A TRESSER

Publication

EP 1259669 B1 20040922 (DE)

Application

EP 00903645 A 20000127

Priority

EP 0000615 W 20000127

Abstract (en)

[origin: WO0155493A1] The present invention relates to a braider (1) comprising a device for controlling the thread lever (10). Said braider is formed by a curved path (30) that is closed in a circular ring-shaped manner, a sliding block (31) appurtenant thereto and a reverse gear (20) by means of which the direction of rotation of the drive motor is reversed in such a way that the group of the upper delivery bobbins and the group of the lower delivery bobbins rotate in opposing directions. The aim of the invention is to enable such a braider (1) to have a higher ceiling speed. The sliding block (31) and the curved path (30) are situated within the surface (32) of rotation, whereby said surface is circumscribed by the course of the thread lever (10) around a central axis (50) in relation to the braider (1), and/or the reverse gear (20) is provided with an internal ring gear which is fixed to the central pipe (3) and has a great reference diameter, a pinion circulating therein and an outer ring gear that is rotatably mounted on the central pipe (3) and has a small reference diameter. The pinion is rotatably mounted on a circulating axle which is rigidly connected to the housing. Said pinion causes the positive fit between the internal ring gear and the outer ring gear.

IPC 1-7

D04C 3/42

IPC 8 full level

D04C 3/42 (2006.01)

CPC (source: EP US)

D04C 3/42 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH ES FR GB IT LI

DOCDB simple family (publication)

WO 0155493 A1 20010802; AT E277212 T1 20041015; EP 1259669 A1 20021127; EP 1259669 B1 20040922; ES 2225083 T3 20050316; JP 2003527496 A 20030916; US 6694855 B1 20040224

DOCDB simple family (application)

EP 0000615 W 20000127; AT 00903645 T 20000127; EP 00903645 A 20000127; ES 00903645 T 20000127; JP 2001554518 A 20000127; US 20306602 A 20020726