

Title (en)

DIRECT DRIVE FOR A CYLINDER OF A CONVERTING MACHINE

Title (de)

DIREKTANTRIEB FÜR EINEN ZYLINDER EINER VERARBEITUNGSMASCHINE

Title (fr)

ENTRAÎNEMENT DIRECT POUR UN CYLINDRE D'UNE MACHINE DE TRANSFORMATION

Publication

EP 1742795 A2 20070117 (DE)

Application

EP 05739518 A 20050408

Priority

- EP 2005003692 W 20050408
- DE 102004019136 A 20040416

Abstract (en)

[origin: WO2005100022A2] The invention relates to a direct drive for a cylinder of a converting machine, in particular a printing press or coating machine that converts sheet-type printed materials. The aim of the invention is to develop a direct drive for a cylinder of the aforementioned type in such a way that the sidelay corrections required for a cylinder of this type are significantly reduced. To achieve this, the direct drive comprises a rotor (14) that is detachably mounted on the end of the cylinder (6, 10) and a stator (15) that is concentric with the rotor and is detachably fixed to the side frame (13). A register motor (16), which is fixed to the frame, is coupled to gearing (17, 18) and the latter (17, 18) is coupled to a helical gear (19, 20, 21, 22), which is in turn coupled to the cylinder (6, 10) by means of an axial/rotative coupling (23, 24).

IPC 8 full level

B41F 13/004 (2006.01); **B41F 13/14** (2006.01)

CPC (source: EP US)

B41F 13/0045 (2013.01 - EP US); **B41F 13/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2005100022A2

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)

WO 2005100022 A2 20051027; WO 2005100022 A3 20060223; AT E413275 T1 20081115; AT E516955 T1 20110815; CN 100564034 C 20091202; CN 1942315 A 20070404; DE 102004019136 A1 20051110; DE 502005005894 D1 20081218; DK 1742795 T3 20090316; EP 1742795 A2 20070117; EP 1742795 B1 20081105; EP 1935644 A1 20080625; EP 1935644 B1 20110720; JP 2007532350 A 20071115; JP 2011201320 A 20111013; JP 4901722 B2 20120321; JP 5080669 B2 20121121; US 2008041252 A1 20080221; US 7709986 B2 20100504

DOCDB simple family (application)

EP 2005003692 W 20050408; AT 05739518 T 20050408; AT 08004353 T 20050408; CN 200580011349 A 20050408; DE 102004019136 A 20040416; DE 502005005894 T 20050408; DK 05739518 T 20050408; EP 05739518 A 20050408; EP 08004353 A 20050408; JP 2007507714 A 20050408; JP 2011151682 A 20110708; US 57862205 A 20050408