

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

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Application

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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).

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