

Title (en)  
DIRECT DRIVE FOR A CYLINDER

Title (de)  
DIREKTANTRIEB FUER EINEN ZYLINDER

Title (fr)  
ENTRAINEMENT DIRECT DESTINE A UN CYLINDRE

Publication  
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Application  
**EP 03779672 A 20031027**

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Abstract (en)  
[origin: WO2004042897A1] The invention relates to a direct drive (21) for a cylinder (1) comprising a hollow shaft (2). Said direct drive (21) comprises a drive housing (7) in which at least one rotor device (9) and at least one stator device (11) are arranged. According to the invention, the stator device (11) is connected to the drive housing (7), auxiliary substances and/or operating substances such as oil, coolant or vapour are supplied to the cylinder (1) through the hollow shaft, the hollow shaft (2) is guided through the drive housing (7) preferably without bearings, and the rotor device (9) is directly connected to the hollow shaft (2). The inventive drive (21) is especially maintenance-free and compact and especially used for a rotating cylinder (1) in the paper industry, without gearboxes and clutches, and with direct supply or discharge of auxiliary substances and/or operating substances. The rotor device (9) at least partially surrounds the hollow shaft (2).

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