

Title (en)

PRINTING MACHINE WITH A CYLINDER WHICH CAN BE COUPLED TO A DRIVING DEVICE

Publication

EP 0082945 B1 19860212 (DE)

Application

EP 82110510 A 19821112

Priority

DE 8137709 U 19811224

Abstract (en)

[origin: US4453464A] In a printing press such as a rotogravure press having cylinder which frequently has to be changed and which is joined up with a driving shaft by way of a clutch, more rational changing of the cylinder is made possible by designing the clutch in the form of a housing, joined with the driving shaft, and of a pin (coaxially fixed to the end of the cylinder) within the housing, that has a collet-like bush within it which takes up the pin and may be caused to undergo contraction and expansion for gripping and freeing the pin within it. To this end there is a stack of frustoconical washers placed on the bush. This stack may be acted upon by a spring unit in an axial direction while the opposite end of the stack is supported. For freeing the stack from the force of the spring unit and so letting expansion of the bush take place, the spring unit may be acted upon by a piston and pushed clear of the stack. On the opposite side of the piston there is a piston working space into which driving fluid may be run.

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IPC 8 full level

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