

Title (en)

Signal transmission in a printing machine

Title (de)

Signalübertragung innerhalb einer Druckmaschine

Title (fr)

Transmission de signaux dans une machine d'impression

Publication

EP 0841160 B1 20010711 (DE)

Application

EP 97119302 A 19971105

Priority

DE 29619491 U 19961109

Abstract (en)

[origin: EP0841160A1] The signal transmission transmits voltages and/or signals between stationary devices in a rotatable part of the printing machine esp. stations arranged inside cylinders or drums. A transmitter is provided for electrically connecting the stationary devices and the rotary stations. At least one transmission channel of the transmitter has an electrically conductive fluid (14) in electrical contact with a contact (11) which rotates with part of the printer and with a stationary contact (12). The electrically conductive fluid (14) makes an electrical (DC) coupling between the devices to be connected. The transmitter may have a transmission channel with conductive fluid for each voltage and/or signal to be transmitted. The fluid (14) may be arranged in a ring shaped chamber (13) between a rotor (7) connected to the rotatable part of the printer, and a stator (8). One of the channels may provide a permanent monitoring of the transmission.

IPC 1-7

B41F 21/10; **B41F 33/00**; **H01R 39/64**

IPC 8 full level

B41F 13/08 (2006.01); **B41F 21/10** (2006.01); **B41F 27/00** (2006.01); **B41F 33/00** (2006.01); **H01R 39/30** (2006.01); **H01R 39/64** (2006.01)

CPC (source: EP)

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EP 0841160 A1 19980513; **EP 0841160 B1 20010711**; AT E202974 T1 20010715; DE 29619491 U1 19961219; DE 59704005 D1 20010816

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