

Title (en)

FORME CYLINDER IN AN OFFSET PRINTING MACHINE FOR A DIRECT IMAGE TRANSFER

Publication

**EP 0400595 A3 19910605 (DE)**

Application

**EP 90110233 A 19900530**

Priority

DE 3917844 A 19890601

Abstract (en)

[origin: EP0400595A2] A forme cylinder in an offset printing machine for a direct image transfer by means of a thermotransfer process has a radiation-permeable cylinder shell and, in its interior, at least one source of radiation directed towards the inner shell surface. The source of radiation can emit visible light, infrared, ultraviolet or even electromagnetic rays. The energy transmitted by this radiation can be used for preheating the cylinder shell, for causing or assisting the melting out of the parts of the substance required for the image transfer from a thermotransfer film, hardening or burning-in the parts of the substance on the outer shell surface or assisting or causing the removal of the parts of the substance by heating or decomposition on completion of the printing operation. <IMAGE>

IPC 1-7

**B41F 23/04**

IPC 8 full level

**B41C 1/055** (2006.01); **B41C 1/10** (2006.01); **B41F 7/02** (2006.01); **B41F 13/10** (2006.01); **B41F 23/04** (2006.01); **B41N 1/22** (2006.01)

CPC (source: EP US)

**B41C 1/1091** (2013.01 - EP US); **B41F 13/10** (2013.01 - EP US); **B41C 1/1075** (2013.01 - EP US); **B41P 2227/70** (2013.01 - EP US)

Citation (search report)

- [AD] DE 3248178 A1 19840705 - DRUCKMASCH FORSCH [DE]
- [A] EP 0205083 A2 19861217 - CANON KK [JP]

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CN106585085A; EP0722828A3; DE4039107A1; DE4039107B4; EP1048458A1; DE4212582A1; EP0531878A1; US5293817A; DE10311514A1; DE10311514B4; EP0834398A1

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