

Title (en)

Rotary printing machine with blanket- and plate cylinders arranged in cylinder units in couples

Title (de)

Rotationsdruckmaschine mit paarweise zu Zylindergruppen zusammengefassten Gummituch- und Platten- bzw. Formzylinder

Title (fr)

Machine d'impression rotative, avec des cylindres porte-blanchet et porte-clichés réunisen groupes de cylindres par paires

Publication

EP 0644048 B2 20050323 (DE)

Application

EP 94810752 A 19941227

Priority

- DE 4344896 A 19931229
- DE 4344912 A 19931229
- DE 4405658 A 19940222

Abstract (en)

[origin: EP0644048A2] A rotary printing machine has blanket cylinders and plate cylinders which are arranged in cylinder units in couples by means of a mechanical coupler for their common drive. Such a cylinder unit is driven in each case by its own drive motor. <IMAGE>

IPC 1-7

B41F 13/004

IPC 8 full level

B41F 7/02 (2006.01); **B41F 13/00** (2006.01); **B41F 13/004** (2006.01); **B41F 13/008** (2006.01); **B41F 13/14** (2006.01); **B41F 33/00** (2006.01); **B41F 33/08** (2006.01)

CPC (source: EP)

B41F 13/0045 (2013.01); **B41F 13/008** (2013.01); **B41P 2213/734** (2013.01); **B65H 2557/2644** (2013.01)

Citation (opposition)

Opponent :

- EP 0084698 A1 19830803 - MORGAN JOHN HENRY
- GB 1262116 A 19720202 - BOBST FILS SA J [CH]
- GB 137708 A 19200122 - LOUIS BARROW, et al
- GB 1399394 A 19750702 - BOBST FILS SA J
- GB 1513517 A 19780607 - GOEBEL GMBH MASCHF
- GB 1540409 A 19790214 - CHAMBON LTD
- JP H03108543 A 19910508 - NAKAMOTO KOICHI

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EP1568493A1; EP2181847A1; DE10046375B4; US6019039A; US6827011B2; EP2098375A2; DE102008012385A1; US6817292B2; EP1155825A3; EP0812682A3; DE10046377A1; DE10046377B4; EP0860273A3; EP1459890A3; DE10046366A1; DE10046366C2; DE102004051686A1; DE102004051686B4; DE10046367B4; EP1226937A1; US6935234B2; DE10046375A1; EP1110722A1; DE102009045679B4; EP1616697A3; DE19603663A1; DE102006046894B4; DE102006010602A1; EP1493564A1; EP1493563A3; EP1277575A1; EP0699524A3; EP1048460A3; DE10046365A1; DE10046365B4; DE10046376A1; DE10046376C2; EP0862999A3; DE19755316A1; DE19755316C2; CN1099960C; DE19629605A1; US5950538A; DE19629605C2; DE102012206802B4; DE102009045679A1; GB2410462A; GB2410462B; DE10114801B4; EP0788879A1; US5771805A; AU712423B2; GB2408719A; GB2408719B; EP0882587A1; DE19723059A1; DE19723043C2; EP0882588A1; WO2005056195A1; WO0224453A1; WO0224457A1; WO9930906A1; US6532872B2; US6647874B1; WO02076743A1; EP1459890A2; US6901854B2; US7086330B2; US7077061B2; US6408748B1; US6510791B1; US6332397B1; US6334389B1; DE102012206802A1; WO2013159976A1; DE10154838A1; DE10046368A1; DE10046368C2; EP1598187A3; DE19860540A1; DE19732330A1; DE19732330C2; CN1089684C; DE19724765A1; FR2764545A1; US5979317A; DE19820271C2; EP0919372A1; US6032579A; US6050185A; CN1098160C; EP1052092A3; EP1457329A3; EP1457330A3; WO9906211A1; WO0224452A3; WO2008040742A2; US6202555B1; US8418610B2; US7293503B2; US7216585B2; WO02076744A1; US6776093B2; US6644184B1; US6779446B2; US7000539B2; US7146908B2; US7159513B2; US7156019B2; US7296516B2; US7448320B2; US7159512B2; US7546801B2; US7562623B2; EP0916486B2; EP0693374B2

Designated contracting state (EPC)

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EP 0644048 A2 19950322; EP 0644048 A3 19950628; EP 0644048 B1 19990707; EP 0644048 B2 20050323; AT E181879 T1 19990715; AT E200449 T1 20010415; AT E216317 T1 20020515; AT E524311 T1 20110915; CN 1061301 C 20010131; CN 1122279 A 19960515; DE 59408463 D1 19990812; DE 59409732 D1 20010517; DE 59410108 D1 20020523; DK 0644048 T3 20000131; DK 0644048 T4 20050502; DK 0930159 T3 20010813; DK 0930160 T3 20020729; EP 0930159 A1 19990721; EP 0930159 B1 20010411; EP 0930160 A1 19990721; EP 0930160 B1 20020417; EP 1155826 A2 20011121; EP 1155826 A3 20020626; EP 1155826 B1 20110914; ES 2135557 T3 19991101; ES 2135557 T5 20050901; ES 2157676 T3 20010816; ES 2175867 T3 20021116; JP 3415469 B2 20030609; JP 3424999 B2 20030707; JP H0834108 A 19960206; JP H11268249 A 19991005; RU 2127668 C1 19990320; RU 94045261 A 19961210

DOCDB simple family (application)

EP 94810752 A 19941227; AT 01116647 T 19941227; AT 94810752 T 19941227; AT 99106200 T 19941227; AT 99106201 T 19941227; CN 94120462 A 19941229; DE 59408463 T 19941227; DE 59409732 T 19941227; DE 59410108 T 19941227; DK 94810752 T 19941227; DK 99106200 T 19941227; DK 99106201 T 19941227; EP 01116647 A 19941227; EP 99106200 A 19941227; EP 99106201 A 19941227; ES 94810752 T 19941227; ES 99106200 T 19941227; ES 99106201 T 19941227; JP 1554895 A 19950104; JP 4026499 A 19990218; RU 94045261 A 19941229