

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 B1 19990707 (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 (examination)

- JP S63236651 A 19881003 - HITACHI SEIKO KK
- DE 3409194 A1 19850926 - HEIDELBERGER DRUCKMASCH AG [DE]
- US 2890653 A 19590616 - JOSEPH KINZELMAN FRANCIS
- DE 3432572 A1 19850328 - GRACE W R & CO [US]
- DE 2134397 A1 19720120
- US 4495582 A 19850122 - DESSERT ROBERT A [US], et al
- US 4581993 A 19860415 - SCHOENEGER EDGAR F [DE]
- DE 3317981 A1 19841122 - METRONIC GERAETEBAU [DE]
- US 4839814 A 19890613 - STEIDEL LEONARD R [US]

Cited by

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; WO2224453A1; WO2224457A1; 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

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