Title (en)
Sheet-fed printing machine

Title (de)
Bogendruckmaschine

Title (fr)
Machine d'impression de feuilles

Publication
EP 0769376 B1 20000503 (DE)

Application
EP 96810654 A 19961001

Priority
CH 299395 A 19951020

Abstract (en)
[origin: EP0769376A1] The rotary printer has one or more pairs of cylinders each comprising an impression cylinder (2) and an image-printing cylinder. The impression cylinder has a closed cylindrical circumferential face with a suction strip (5,6) at the inlet of each printing segment to connect with a suction air source to suck up the front edge of a sheet and hold same during transport over the impression cylinder during the printing process. The sheet is released from the impression cylinder when the suction strip is switched off from the suction air source. A transfer device on the impression cylinder is in front of the printing gap to transfer the sheet to the impression cylinder whilst transfer device after the printing gap transfer the sheet from the cylinder. The transfer device have a gripper-less device (68) interacting with the cylinder.

IPC 1-7
B41F 21/10

IPC 8 full level
B41F 21/06 (2006.01); **B41F 15/20** (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP KR US)
B41F 21/00 (2013.01 - KR); **B41F 21/102** (2013.01 - EP US)

Cited by
DE10203059B4; DE10344950A1; DE102005046097A1; DE102006019029A1; DE102006019029B4; US7422553B2; US6659008B2; US8893614B2; EP2221177A1; US8499687B2; US8813644B2; EP2433798A1; EP2845732A2

Designated contracting state (EPC)
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EP 0769376 A1 19970423; **EP 0769376 B1 20000503**; AT E192385 T1 20000515; AU 6809396 A 19970424; AU 717703 B2 20000330; CA 2187589 A1 19970421; CA 2187589 C 20050802; CN 1076284 C 20011219; CN 1151940 A 19970618; DE 59605116 D1 20000608; JP 4057082 B2 20080305; JP H09174812 A 19970708; KR 100412987 B1 20040429; KR 970020430 A 19970528; RU 2157764 C2 20001020; UA 32446 C2 20001215; US 5839366 A 19981124

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EP 96810654 A 19961001; AT 96810654 T 19961001; AU 6809396 A 19961010; CA 2187589 A 19961010; CN 96112792 A 19961018; DE 59605116 T 19961001; JP 27799696 A 19961021; KR 19960046621 A 19961018; RU 96120414 A 19960930; UA 96103878 A 19961010; US 72795096 A 19961009