

Title (en)

Device for conveying a sheet for a rotary printing machine

Title (de)

Vorrichtung zum Transport eines Bogens für eine Rotationsdruckmaschine

Title (fr)

Dispositif pour transporter une feuille pour une machine d'impression rotative

Publication

EP 1136263 B1 20150902 (DE)

Application

EP 01103697 A 20010226

Priority

DE 10014417 A 20000324

Abstract (en)

[origin: EP1136263A2] The conveyor for a sheet incorporates first grippers (1.12) circulating in a first direction for picking up the sheet (2.2) by its leading edge (2.2). A cylinder (1.7) supporting the first grippers has a support surface (1.13) on its periphery for the sheet picked up. Second grippers (1.14) circulating in a second direction contrary to the first direction pick up the leading edge from the first gripper. A pair of rotary sheet supports (1.16) turning on a rotational axis in the second direction each have a roller surface (1.17) concentric with the rotational axis. Vacuum grippers (1.18) circulating in the second direction transfer a backward edge (2.2') of the sheet from the cylinder by means of the sheet-supports to the cylinder's support surface.

IPC 8 full level

B41F 21/10 (2006.01); **B41F 21/06** (2006.01)

CPC (source: EP US)

B41F 21/102 (2013.01 - EP US)

Citation (examination)

- JP S5518194 Y2 19800426
- DE 4218421 A1 19931209 - HEIDELBERGER DRUCKMASCH AG [DE]

Citation (opposition)

Opponent : Koenig & Bauer AG

- DE 517004 C 19310204 - KOENIG & BAUER SCHNELLPRESSFAB
- JP S5522953 A 19800219 - MARUBENI HARISU INSATSU KIKAI, et al
- DE 220801 C
- DE 2621250 B1 19770317 - HEIDELBERGER DRUCKMASCH AG
- DE 629435 C 19360505 - ALFRED WINKLER, et al

Cited by

DE102008018314A1; CN111315581A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1136263 A2 20010926; EP 1136263 A3 20050810; EP 1136263 B1 20150902; DE 10014417 A1 20010927; JP 2001270079 A 20011002; JP 4657479 B2 20110323; US 2002135123 A1 20020926; US 6578846 B2 20030617

DOCDB simple family (application)

EP 01103697 A 20010226; DE 10014417 A 20000324; JP 2001087826 A 20010326; US 81757701 A 20010326