

Title (en)
Rotary sheet printing machine.

Title (de)
Bogenrotationsdruckmaschine.

Title (fr)
Machine rotative pour imprimer des feuilles.

Publication
EP 0000011 A1 19781220 (DE)

Application
EP 78100018 A 19780601

Priority
DE 2724856 A 19770602

Abstract (en)
[origin: ES470290A1] Sheet-fed rotary printing machine having a plurality of rotatable sheet transfer drums forming a sheet travel path between respective printing units of the machine having a respective rotary impression cylinder, includes a plurality of stationary sheet guide plates disposed below the sheet transfer drums and extending across substantially the entire width thereof, the impression cylinder being disposed in the sheet transfer path downstream of one of the sheet transfer drums and upstream of another of the sheet transfer drums, a first sheet guide plate extending toward the periphery of the one sheet transfer drum in direction of rotation thereof, a second sheet guide plate extending away from the periphery of the other sheet transfer drum in direction of rotation of the other sheet transfer drum so as to form, during rotation of the respective sheet transfer drum at any speed, an air cushion between the respective sheet guide plate and the underside of a sheet being transferred on the respective sheet transfer drum thereabove.

Abstract (de)
Bei Bogenrotationsmaschinen für Schöndruck und Schön- und Widerdruck sind unter den Bogenübergabetrommeln (5, 7), die den Druckzylindern (4) aufeinanderfolgender Druckwerke vor- oder nachgeordnet sind, Bogenleitbleche (9, 10) vorgesehen. Die Ausbildung dieser Bogenleitbleche (9, 10) ist derart, daß sich zwischen der Unterseite eines von der jeweiligen Bogenübergabetrommel (5 bzw. 7) transportierten Bogens und dem zugeordneten Bogenleitblech (9 oder 10) bei jeder Maschinengeschwindigkeit zwangsläufig ein Luftkissen ausbildet.

IPC 1-7
B41F 21/04; B65H 29/52

IPC 8 full level
B41F 21/10 (2006.01); **B41F 21/00** (2006.01)

CPC (source: EP US)
B41F 21/106 (2013.01 - EP US)

Citation (search report)
[A] US 2933039 A 19600419 - CLAYBOURN CARLTON C, et al

Cited by
KR20020055612A; DE3228140A1; EP0230032A3; US10918107B2

Designated contracting state (EPC)
BE CH FR NL SE

DOCDB simple family (publication)
EP 0000011 A1 19781220; **EP 0000011 B1 19800430**; **EP 0000011 B2 19830824**; AT 362402 B 19810525; AT A389778 A 19801015; AU 3409678 A 19790920; AU 514401 B2 19810205; BR 7803516 A 19790213; CA 1092437 A 19801230; DE 2724856 A1 19781207; DE 2724856 B2 19790315; DE 2724856 C3 19840620; ES 470290 A1 19790201; GB 1577508 A 19801022; IT 1108372 B 19851209; IT 7868265 A0 19780601; JP S542807 A 19790110; JP S5545386 B2 19801118; US 4203361 A 19800520; ZA 781172 B 19790228

DOCDB simple family (application)
EP 78100018 A 19780601; AT 389778 A 19780529; AU 3409678 A 19780314; BR 7803516 A 19780601; CA 300517 A 19780405; DE 2724856 A 19770602; ES 470290 A 19780529; GB 1457578 A 19780413; IT 6826578 A 19780601; JP 6319478 A 19780526; US 91145178 A 19780601; ZA 781172 A 19780228