

Title (en)

Method and device for pneumatically slowing down sheets in the delivery device of a rotary sheet printing machine

Title (de)

Verfahren und Vorrichtung zum pneumatischen Bogenabbremsen im Ausleger einer Bogenrotationsdruckmaschine

Title (fr)

Procédé et dispositif pour freiner pneumatiquement des feuilles dans le dispositif de décharge d'une machine rotative d'impression de feuilles

Publication

EP 0755887 A3 19971015 (DE)

Application

EP 96110376 A 19960627

Priority

DE 19527441 A 19950727

Abstract (en)

[origin: EP0755887A2] The decelerator uses a jet of air, directed opposite to the sheet movement direction (4). The air jet is set to a condition of balance between its energy acting on the sheet, and the kinetic energy of the sheet. In the deceleration area, the sheet is supported contact free by the air jet. This air jet, and an opposite air jet, which transports a sheet contact free to a stack, are diverted downwards in front of the deceleration area. The air jets are returned to the brake nozzles (6) via a regulator (7).

IPC 1-7

B65H 29/68

IPC 8 full level

B41F 21/00 (2006.01); **B65H 29/04** (2006.01); **B65H 29/24** (2006.01); **B65H 29/68** (2006.01)

CPC (source: EP US)

B65H 29/686 (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)

- [DXA] DE 2720674 A1 19781109 - MASCHF AUGSBURG NUERNBERG AG
- [A] WO 8909177 A1 19891005 - VITS HILMAR [DE]
- [DA] DE 2135105 B1 19721109 - ROLAND OFFSETMASCHF [DE]
- [DA] DE 2358206 A1 19750528 - ROLAND OFFSETMASCHF

Cited by

EP3533738A3; US10934119B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0755887 A2 19970129; EP 0755887 A3 19971015; EP 0755887 B1 20020130; AT E212601 T1 20020215; CA 2180061 A1 19970128; CN 1144187 A 19970305; DE 19527441 A1 19970206; DE 19527441 C2 19980129; DE 59608664 D1 20020314; JP 3676503 B2 20050727; JP H0940260 A 19970210; US 5718176 A 19980217

DOCDB simple family (application)

EP 96110376 A 19960627; AT 96110376 T 19960627; CA 2180061 A 19960627; CN 96107174 A 19960719; DE 19527441 A 19950727; DE 59608664 T 19960627; JP 19077596 A 19960719; US 68194096 A 19960729