

Title (en)

Device for guiding material in sheet form without contact

Title (de)

Einrichtung zum berührungsfreien Führen bogenförmigen Materials

Title (fr)

Dispositif pour le guidage sans contact d'un matériau en forme de feuille

Publication

**EP 0695707 B1 20001108 (DE)**

Application

**EP 95110718 A 19950710**

Priority

DE 4427448 A 19940803

Abstract (en)

[origin: EP0695707A2] The contactless guide member is esp. for use in a printing press. The paper sheets are hauled along a track, clear of which is a guide face with air discharge jets. The jets (48) are so aimed that the flow pattern generated consists of a first component in the sheet travel direction, and second and third ones directed towards opposite side edges of the guide. The second and third components can be symmetrical, and the current of air can flow in a trumpet shape in the sheet travel direction. The air jets can be arranged in offset transverse rows.

IPC 1-7

**B65H 5/22**

IPC 8 full level

**B41F 21/00** (2006.01); **B65H 5/22** (2006.01); **B65H 5/36** (2006.01)

CPC (source: EP US)

**B65H 5/228** (2013.01 - EP US); **B65H 29/52** (2013.01 - EP US); **B65H 2406/111** (2013.01 - EP US); **B65H 2406/1132** (2013.01 - EP US)

Cited by

EP1184315A3; CN111747185A; US5832826A; EP0780332A3; DE10064531A1; DE10064531C2; DE102006017461B4; DE102014204797A1; WO02051732A3; DE102022127685A1

Designated contracting state (EPC)

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