

Title (en)

Air turn for contactless deflecting a web of fibrous material

Title (de)

Umlenkvorrichtung zum berührungslosen Umlenken einer Faserstoffbahn

Title (fr)

Dispositif de renvoi pour dévier sans contact une bande fibreuse

Publication

EP 1614647 B1 20100317 (DE)

Application

EP 05103547 A 20050429

Priority

DE 102004032647 A 20040706

Abstract (en)

[origin: EP1614647A1] The deflection unit (10) to shift the path of a moving web (11) of paper or cardboard, at a papermaking machine or a coating applicator, has an air permeable surface (12) with pores in two layers (13,14). The pressure within the unit is at 1-12 bar, and especially 3-6 bar, to form separate air streams (E) as an air cushion between the deflection surface and the web. The air feed (L) uses ambient or conditioned air. The porous surface is a sintered material and/or a textile fabric and/or plastics.

IPC 8 full level

B65H 23/24 (2006.01); **B65H 23/32** (2006.01)

CPC (source: EP)

B65H 23/24 (2013.01); **B65H 23/32** (2013.01)

Cited by

US7975608B2; WO2011152430A1; WO2007110386A3

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DOCDB simple family (publication)

EP 1614647 A1 20060111; **EP 1614647 B1 20100317**; AT E461144 T1 20100415; DE 102004032647 A1 20060216; DE 502005009220 D1 20100429; ES 2340934 T3 20100611

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