

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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