

Title (en)

Turning bar for a material web

Title (de)

Wendestange für eine Materialbahn

Title (fr)

Barre de retournement pour une bande de matière

Publication

**EP 0619257 B1 19971022 (DE)**

Application

**EP 94103008 A 19940301**

Priority

DE 4311438 A 19930407

Abstract (en)

[origin: US5520317A] An adjustable turning bar for a material web is provided with an adjustably positionable tube that has a plurality of compressed air discharge openings. A slide tube is disposed within the turning bar tube and is also provided with a plurality of air openings. The slide tube is shiftable axially within the turning bar tube to align selected ones of the slide tube's air openings with the appropriate compressed air discharge openings on the turning bar. Air openings not being used will be closed off.

IPC 1-7

**B65H 23/32**

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**US 22345094 A 19940405**; DE 4311438 A 19930407; DE 59404383 T 19940301; EP 94103008 A 19940301; JP 6974494 A 19940407; RU 94011564 A 19940407