

Title (en)

DEVICE FOR THE FLOATING GUIDING OF MATERIAL WEBS BY MEANS OF A GAS OR A LIQUID

Publication

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Application

EP 87102555 A 19870224

Priority

DE 3607370 A 19860306

Abstract (en)

[origin: US4804125A] This invention relates to a device for floatably guiding webs of material by means of gaseous or liquid medium. The device comprises at least one elongate flow member having a surface convexly curved on the top side proximate the web, and nozzles which are disposed in rows along longitudinal edges and via which the gaseous or liquid medium can be introduced in jets between the flow member and the web of material. The nozzles associated with one longitudinal edge of the device are offset in pitch in relationship with the other longitudinal edge and are so disposed that opposing diverging flow jets, flow past one another without mutual impedance. The apparatus operates on both the supporting airfoil and air cushion principles, with a smooth transition from one principle to another.

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B65H 20/14; **B65H 23/24**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] FR 1395604 A 19650416
- [AD] US 3957187 A 19760518 - PUIGRODON JAMES
- [A] DE 2120805 A1 19721116

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