

Title (en)

Device for applying directly or indirectly a liquid or pasty suspension onto paper or board webs

Title (de)

Vorrichtung zum direkten oder indirekten Auftragen von flüssigen bis pastösen Suspensionen auf Papier- oder Kartonbahnen

Title (fr)

Dispositif pour appliquer directement ou indirectement une suspension liquide ou pateuse sur une bande de papier ou carton

Publication

EP 1496155 A3 20070103 (DE)

Application

EP 04013297 A 20040605

Priority

DE 10331145 A 20030709

Abstract (en)

[origin: EP1496155A2] An assembly directly or indirectly applies a coating of liquid or paste to a fast-moving web of paper or carton. The liquid or paste is dispensed by a block of diffuser jets (3) with rectangular outlets directed at a revolving drum (9). Each jet is separated from the adjacent jet by a gusset (4) and discharges towards a revolving transfer drum (9) that is in contact with a revolving doctor (11) in contact with the drum. The assembly has a feed tube (2) extending the full width of the drum. The assembly has an overflow gap (8) in the vicinity of the diffuser block (6) that drains to a recovery tray. If the adhesive coating process is indirect, the glue is applied to the transfer drum (9) and from here to a press gap where it is applied to the paper or carton web.

IPC 8 full level

D21H 23/36 (2006.01); **B05C 3/18** (2006.01); **B05C 11/02** (2006.01)

CPC (source: EP)

B05C 3/18 (2013.01); **D21H 23/36** (2013.01); **B05C 11/025** (2013.01)

Citation (search report)

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- [Y] US 5376177 A 19941227 - ELVIDGE DAVID R [CA], et al
- [A] EP 0571849 A1 19931201 - VOITH GMBH J M [DE]
- [A] DE 29510486 U1 19950817 - VOITH SULZER PAPIERMASCH GMBH [DE]

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EP1733802A1; WO2009047209A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

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