

Title (en)
Coating apparatus

Title (de)
Auftragsvorrichtung

Title (fr)
Dispositif d'enduction

Publication
EP 1676957 A3 20061213 (DE)

Application
EP 05110624 A 20051111

Priority
DE 102004063696 A 20041228

Abstract (en)
[origin: EP1676957A2] A curtain coater for applying liquid to paste-like media (especially aqueous pigment suspensions) to a running sheet of paper, cardboard etc. has, in addition to an air boundary layer-abatement device on the coating side, another such device on the other side of the sheet near the point of impact of the curtain. A device for applying a liquid to paste-like medium, especially an aqueous pigment suspension (I), to one side of a running sheet of paper, cardboard or other fibrous material during its production and/or finishing. This comprises a curtain applicator (5) by means of which (I) is delivered directly onto the coating side (1a) of the sheet (1) in a free-falling, closed curtain (6) under the action of gravity, with the curtain impinging at a point (P) on an open section of sheet or on a part supporting the other side (1b) of the sheet, and with a device (2) for weakening or removing the air boundary layer, which is dedicated to the coating side (1a) and installed in the running direction (L) in front of the curtain (6). The system also has another air boundary layer abatement device (10) for air boundary layers (LG) flowing with the fibrous sheet (1), which is located on the other side (1b) of the sheet near the impact position (P) of the curtain (6).

IPC 8 full level
D21H 23/48 (2006.01)

CPC (source: EP)
D21H 23/48 (2013.01); **B05C 5/005** (2013.01)

Citation (search report)

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

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