

Title (en)

Process and apparatus for applying onto one side or both sides a fluid to pasty medium

Title (de)

Verfahren und Vorrichtung zum ein- oder beidseitigen Auftragen eines flüssigen bis pastösen Mediums

Title (fr)

Procédé et dispositif pour enduire une ou deux faces avec un matériau fluide jusqu' au pâteux

Publication

EP 1375746 B1 20060524 (DE)

Application

EP 03101583 A 20030602

Priority

DE 10227934 A 20020621

Abstract (en)

[origin: EP1375746A1] An electrostatic curtain discharge process applies a coat liquid or paste medium to one or both sides of a moving web of paper or carton. In the process, an electrostatic force especially deflected the curtain (3a) towards the web (1) and away from the path it would otherwise take under the influence of the earth's gravity. Also claimed is a commensurate assembly in which an electrostatic charge is applied to the web which is subjected to an electrostatic field. The field electrostatic potential is in the range 5 to 60 kV, at a current of 0.01 to 10 mA. The web humidity is in the range 1 to 4.5 per cent. The field drives the curtain upwards (3a) against the web lower face.

IPC 8 full level

D21H 23/48 (2006.01); **B05B 5/14** (2006.01); **B05C 5/00** (2006.01); **B05C 5/02** (2006.01); **B05C 9/04** (2006.01)

CPC (source: EP)

B05C 5/005 (2013.01); **B05C 5/0283** (2013.01); **D21H 23/48** (2013.01); **B05B 5/14** (2013.01); **B05C 9/04** (2013.01)

Cited by

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