Title (en)
METHOD OF MINIMIZING SKIP COATING ON A PAPER WEB.

Title (de)
VERFAHREN ZUR MINIMIERUNG VON BESCHICHTUNGSLÜCKEN AUF EINER PAPIERBAHN.

Title (fr)
PROCEDE DE REDUCTION AU MINIMUM DES SAUTS D'ENDUIT SUR UNE BANDE DE PAPIER.

Publication
EP 0675984 A1 19951011 (EN)

Application
EP 93924029 A 19931025

Priority
- EP 9302452 W 19931025
- US 94391992 A 19920911

Abstract (en)
[origin: WO9512031A1] A fountain applicator for applying coating liquid onto a web of paper carried past the applicator, has a coating liquid flow path that includes a curved surface along which a sheet of the coating liquid is flowed to subject the sheet to centrifugal force to cause air entrained in the coating liquid to move toward one side of the sheet away from the curved surface. After being flowed along the curved surface, the sheet of coating liquid is directed toward the web in a free standing jet curtain of coating liquid, to contact an opposite relatively air-free side of the coating liquid sheet against the web surface while the one side of the sheet is out of substantial contact with the web surface. Contacting the web with coating liquid that is relatively free of entrained air minimizes the occurrence of skip coating on the web, especially when the web is travelling past the applicator at high speeds.

IPC 1-7
D21H 23/32

IPC 8 full level
B05D 1/26 (2006.01); **B05C 5/00** (2006.01); **B05C 5/02** (2006.01); **B05D 7/00** (2006.01); **D21H 23/32** (2006.01); **D21H 23/34** (2006.01)

CPC (source: EP)
D21H 23/32 (2013.01); **D21H 23/34** (2013.01)

Citation (search report)
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AT BE CH DE ES FR GB IT LI NL SE

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WO 9512031 A1 19950504; AT E176021 T1 19990215; BR 9307830 A 19951128; CA 2101358 A1 19940312; CA 2101358 C 20001024; DE 69323214 D1 19990304; DE 69323214 T2 19990909; EP 0675984 A1 19951011; EP 0675984 B1 19990120; ES 2131124 T3 19990716; FI 105940 B 20001031; FI 953126 A0 19950622; FI 953126 A 19950622; JP 2975689 B2 19991110; JP H08508676 A 19960917

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