

Title (en)

Process and apparatus for curtain-coating a moving substrate

Title (de)

Verfahren und Vorrichtung zur Vorhangbeschichtung eines bewegten Trägers

Title (fr)

Procédé et appareil pour le revêtement par rideau d'un support en mouvement

Publication

EP 0841588 A3 19980708 (DE)

Application

EP 98100164 A 19950426

Priority

- EP 98100164 A 19950426
- EP 95810277 A 19950426

Abstract (en)

[origin: EP0841589A2] The method involves coating the moving supporting surface with liquid, particularly photographic emulsion. The solution is guided between side plates (2) above the pouring lip (4) so that its edges do not ride upwards over the plate surfaces under the effect of surface tension. An additional current can be delivered to each side of the curtain of material formed, the width of the latter being greater than that of the coating on the supporting surface. Each side current is fed in the transverse direction of the curtain and parallel to the plate front wall.

IPC 1-7

G03C 1/74

IPC 8 full level

B05C 5/00 (2006.01); **B05C 11/10** (2006.01); **B05D 1/30** (2006.01); **G03C 1/74** (2006.01)

CPC (source: EP)

B05C 5/008 (2013.01); **B05C 11/1039** (2013.01); **B05D 1/305** (2013.01); **G03C 1/74** (2013.01)

Citation (search report)

- [DX] EP 0606038 A1 19940713 - EASTMAN KODAK CO [US]
- [A] DE 3241831 A1 19840517 - AGFA GEVAERT AG [DE]
- [DA] EP 0139211 A2 19850502 - FUJI PHOTO FILM CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 219 (C - 363) 31 July 1986 (1986-07-31)

Cited by

CN104549797A; JP2004105960A; DE102012004875B3; WO2006079678A1; EP3006115A1; DE102014013996A1; EP1398084A1; US7160579B2; JP2008526483A

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EP 98100165 A 19950426; DE 59506354 T 19950426; EP 95810277 A 19950426; EP 98100164 A 19950426