

Title (en)

Process and apparatus for curtain coating of a travelling support

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 0906789 B1 20010919 (DE)**

Application

**EP 97810732 A 19971003**

Priority

EP 97810732 A 19971003

Abstract (en)

[origin: EP0906789A1] The air carried by the film is sucked-off in front of the coating medium curtain, and controlled air is constantly supplied. The air supply is set as a function of the removed air, so that a parabolic speed profile is developed, with a point at a distance to the film, in which the air speed is zero. The speed profile is calculated according to the Hagen- Poiseuille formula. The appliance body (1) has a first hollow chamber (6) with connected air extraction channel (7) and a second hollow chamber (9) with connected air supply channel (11). Both chambers extend across the full width of the film and have a porous material coating (8, 10) of the side of the film, so that an even concentric or parallel gap (4) between film (5) and body is formed.

IPC 1-7

**B05D 1/30**; **B05C 5/00**; **G03C 1/74**

IPC 8 full level

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

CPC (source: EP US)

**B05C 5/005** (2013.01 - EP US); **B05D 1/305** (2013.01 - EP US); **G03C 1/74** (2013.01 - EP US)

Cited by

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