

Title (en)

Process and apparatus for applying a coating onto a moving basis

Title (de)

Verfahren und Vorrichtung zum Aufbringen eines Auftragsmediums auf einen laufenden Untergrund

Title (fr)

Procédé et dispositif pour appliquer une enduction sur une base en mouvement

Publication

EP 0955408 A3 20000531 (DE)

Application

EP 99105295 A 19990315

Priority

DE 19820432 A 19980507

Abstract (en)

[origin: EP0955408A2] A remoistening or humidifying atmosphere (28) is maintained for the atomized medium, near the atomizer (18). An Independent claim is included for corresponding coating equipment. Preferably the vapor used corresponds with the coating medium carrier fluid. The vapor is preferably steam employed for atomization. A two-fluid atomizer employed, has internal or external mixing. A rotary atomizer may be used. The vapor carries the aerosol onto the background being coated. Electrostatic forces augment this action. Vapor supply may follow atomization. An additional function of the vapor is to prevent entry of the potentially-disturbing boundary layer of air drawn by the moving surface, into the coating region (B).

IPC 1-7

D21H 23/50

IPC 8 full level

B05B 5/04 (2006.01); **B05B 5/14** (2006.01); **B05B 7/06** (2006.01); **B05B 12/18** (2018.01); **B05B 13/02** (2006.01); **B05B 15/04** (2006.01); **B05D 1/02** (2006.01); **D21H 23/50** (2006.01); **B05D 3/04** (2006.01)

CPC (source: EP US)

B05B 5/04 (2013.01 - EP US); **B05B 5/14** (2013.01 - EP US); **B05B 7/066** (2013.01 - EP US); **B05B 12/18** (2018.01 - EP US); **D21H 23/50** (2013.01 - EP US); **B05D 3/0486** (2013.01 - EP US)

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