

Title (en)

Device and method for applying finishing agents to a non-woven web

Title (de)

Vorrichtung und Verfahren zum Aufbringen von Avivagen auf eine Vliesbahn

Title (fr)

Dispositif et procédé pour l'application des agents d'apprêtage sur une nappe non tissée

Publication

EP 1571249 B1 20090930 (DE)

Application

EP 05003500 A 20050218

Priority

DE 102004010245 A 20040303

Abstract (en)

[origin: EP1571249A2] After consolidation (9), e.g. through calendering, heating, water-jet or mechanical needle punching, a non-woven (1) is passed over a curved guide surface (3) where a liquid finish is applied. The finish is supplied through distribution channels (10, 11) and emerges through holes (6) in the surface (3). The surface can include a stripping edge at the exit. An independent claim is also included for the process of applying finish, e. g. a polar liquid, in this way. The surface (3) can be heated to a temperature between 30 [deg]C and 1 to 5 [deg]C below the boiling point of the most volatile finish component. The finish is fed continuously without pressure pulses.

IPC 8 full level

D06B 1/08 (2006.01)

CPC (source: EP)

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Cited by

FR2894993A1; EP1895038A3; EP1895038A2; US9950439B2; US11737930B2; WO2007071667A1; US9603752B2; USRE48182E; US9944487B2; US10266362B2; US10751220B2; US9622918B2; US10702428B2; US9907706B2; US10167156B2; US10494216B2; US10633207B2; US9809414B2; US9908739B2; US10456302B2; US11034543B2

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