

Title (en)

Apparatus and process for impregnating a web of paper or board

Title (de)

Vorrichtung und Verfahren zum Imprägnieren einer Papier-oder Kartonbahn

Title (fr)

Dispositif et Procédé pour l' imprégnation d' une bande de papier ou carton

Publication

**EP 1382742 B1 20070221 (DE)**

Application

**EP 03015423 A 20030709**

Priority

DE 10232550 A 20020718

Abstract (en)

[origin: EP1382742A2] A process impregnates a carton or paper web having a specific weight of more than 40 g/m. The application process has a fluid or film press (4) which is esp. preceded by a wide-nip (17) calender (5). Also claimed is a commensurate assembly in which the rotating wide-nip (17) calender (5) has a mantle (18) which is presented to a counter-pressure drum (14). No further processing devices are located between the wide nip (17) and adhesive spreader (4) other than rollers (23, 24). The wide nip has a regulated heater (14) which raises the temperature to above the fibre plasticizing temperature of 200C or more. The film press (4) is followed by a drier which operates at a temperature below that of the wide nip heater. No smoothing assembly is located between the film press and roll-up winder.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1842961A1; EP1433899A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1382742 A2 20040121**; **EP 1382742 A3 20050209**; **EP 1382742 B1 20070221**; DE 10232550 A1 20040129; DE 10232550 B4 20060406; DE 10232550 C5 20130207; DE 50306562 D1 20070405; US 2004062868 A1 20040401

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