

Title (en)

Process for applying liquid, pasty or plastic substances to a substrate

Title (de)

Verfahren zum Auftragen von flüssigen, pastösen oder plastischen Substanzen auf ein Substrat

Title (fr)

Procédé pour appliquer des substances liquides pâteuses ou plastiques sur un substrat

Publication

EP 0699482 A1 19960306 (DE)

Application

EP 95109756 A 19910614

Priority

- DE 4020420 A 19900627
- EP 91109764 A 19910614

Abstract (en)

Liquids, pastes or plastics, particularly thermoplastics, are applied to a substrate, particularly a textile fabric, through perforations in a cylinder or a continuous belt (13). The cylinder or belt encloses a hollow space which is continuously evacuated by a vacuum pump. The application rate is periodically or continuously controlled. The applied substance can contain a foaming agent. In an embodiment, molten thermoplastic polymer is applied to a textile substrate (1) by an applicator head (3) through a perforated endless belt (13) acting in conjunction with a roller (7). The belt is driven by a rubber coated roller (17). A vacuum pump is connected to the space enclosed by the belt to remove vapours generated by the process. A separating vessel is fitted to the vacuum pump to collect any condensate.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Auftragen von flüssigen, pastösen oder plastischen Substanzen, insbesondere von Thermoplasten, durch Perforationen eines Zylinders (2), Bandes od. dgl., auf ein Substrat (1), insbesondere ein textiles Gewebe. Die Beschichtung wird periodisch oder fortlaufend durch Ermittlung der Höhe und/oder Flächenausdehnung und/oder des Gewichtes der Beschichtung bestimmt. <IMAGE>

IPC 1-7

B05C 1/10; **B05C 11/02**; **D06B 1/08**

IPC 8 full level

B05C 1/10 (2006.01); **B05C 11/02** (2006.01)

CPC (source: EP US)

B05C 1/10 (2013.01 - EP US); **B05C 11/02** (2013.01 - EP US)

Citation (applicant)

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Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0463507 A2 19920102; **EP 0463507 A3 19920916**; **EP 0463507 B1 19960131**; DE 4020420 A1 19920102; DE 59107330 D1 19960314; EP 0699482 A1 19960306; ES 2082043 T3 19960316; US 5196063 A 19930323

DOCDB simple family (application)

EP 91109764 A 19910614; DE 4020420 A 19900627; DE 59107330 T 19910614; EP 95109756 A 19910614; ES 91109764 T 19910614; US 72111591 A 19910626