

Title (en)  
COATING DEVICE FOR SHEETLIKE MATERIALS

Publication  
**EP 0152921 B1 19890927 (DE)**

Application  
**EP 85101631 A 19850214**

Priority  
DE 3406099 A 19840220

Abstract (en)  
[origin: US4765272A] A device for the application of a thin layer of a coating material (7) onto a material web (2) passing across a backing roller (1) comprises a slot nozzle arrangement (3) having a nozzle slot (4). In order to ensure uniform and sufficient delivery of coating material (7) across the length of the nozzle slot (4), the coating material (7) is delivered from a supply container (8) through a delivery channel (10, 11) extending across the coating width to the nozzle slot (4) of the slot nozzle arrangement (3) and in the delivery channel (10, 11) of the slot nozzle arrangement (3) a gear pump arrangement (12) is provided which has a plurality of rectilinearly aligned pump sections (13), each having two intermeshed pump gears (14, 15), the arrangement extending over the coating width and arranged with the distance pieces mounting the pump gears (14, 15) between the pump sections (13) to be easily removable. The distance pieces (16) are formed as carbon bearings and the parts are channeled for heating and cooling.

IPC 1-7  
**B05C 5/02**; **B05C 5/04**

IPC 8 full level  
**B05C 5/02** (2006.01); **B05C 5/04** (2006.01); **B05C 11/02** (2006.01); **B05C 3/18** (2006.01)

CPC (source: EP US)  
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Cited by  
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AT CH DE FR GB IT LI SE

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**EP 0152921 A2 19850828**; **EP 0152921 A3 19861210**; **EP 0152921 B1 19890927**; AT E46633 T1 19891015; AU 3848185 A 19850829; AU 568423 B2 19871224; DE 3406099 A1 19850822; DE 3573219 D1 19891102; FI 81733 B 19900831; FI 81733 C 19901210; FI 850473 A0 19850205; FI 850473 L 19850821; US 4765272 A 19880823

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