

Title (en)  
Rotary applicator head

Title (de)  
Rotationskopf mit Verschlussleisten

Title (fr)  
Tête d'application rotative

Publication  
**EP 1352691 A3 20060607 (DE)**

Application  
**EP 03007191 A 20030329**

Priority  
DE 10216356 A 20020413

Abstract (en)  
[origin: DE10216356C1] The applicator head has a housing with a roller chamber to spread a liquid thermoplastic material or a molten fusible adhesive over a moving material web, without contact. The chamber contains a powered roller body to push out the coating material through a jet slit across the web. The roller body has grooves in the cylinder body, to be filled with the coating through radial drillings from the hollow center of the roller, and be aligned with the applicator jet as it rotates. The applicator head has a housing (12) with a roller chamber (20) to spread a liquid thermoplastic material or a molten fusible adhesive over a moving material web, without contact. The chamber contains a powered roller body (13) to push out the coating material through a jet slit (18) across the web. The roller body has grooves (27) in the cylinder body, to be filled with the coating through radial drillings (28) from the hollow center (29) of the roller, and be aligned with the applicator jet as it rotates. The cylinder body has a second set of grooves (31), containing closure bars (32) which are tensed against the roller chamber surface.

IPC 8 full level  
**B05C 5/02** (2006.01); **B05C 1/10** (2006.01)

CPC (source: EP US)  
**B05C 5/025** (2013.01 - EP US); **B05C 5/0275** (2013.01 - EP US); **B05C 5/0233** (2013.01 - EP US)

Citation (search report)  
• [DYA] DE 19757238 A1 19990708 - PUFFE WOLFGANG [DE]  
• [Y] US 3332580 A 19670725 - SPENCER ROBERT A, et al

Cited by  
CN110624769A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 10216356 C1 20030918**; DE 50312733 D1 20100708; EP 1352691 A2 20031015; EP 1352691 A3 20060607; EP 1352691 B1 20100526; ES 2342051 T3 20100701; US 2003230647 A1 20031218; US 6866209 B2 20050315

DOCDB simple family (application)  
**DE 10216356 A 20020413**; DE 50312733 T 20030329; EP 03007191 A 20030329; ES 03007191 T 20030329; US 41215903 A 20030411