

Title (en)  
APPARATUS FOR APPLYING A FLUID TO A WEB

Title (de)  
VORRICHTUNG ZUM AUFBRINGEN EINES FLIEßFÄHIGEN MEDIUMS AUF EINE BAHN

Title (fr)  
APPAREIL POUR APPLIQUER UN LIQUIDE À UNE BANDE

Publication  
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Application  
**EP 11764571 A 20111006**

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Abstract (en)  
[origin: WO2012055686A1] The invention relates to a device for applying a free-flowing medium (5) to a continuously conveyed web (4), wherein the medium (5) can be transferred to the web (4) by means of a continuously rotating transfer roll, for example a gravure roll (11) provided with gravure grooves (12) on the circumference; wherein an application head (10) is provided in order to transfer the free-flowing medium (5) to the circumference of the gravure roll (11); wherein the application head (10) comprises a chamber (13) which is open toward the circumference of the gravure roll (11) and has an inlet (14) and an outlet (15) for the medium (5) to be applied; and wherein the front outer face, in the direction of rotation, of the chamber (13) is delimited by a front doctor blade (16) and the rear outer face, in the direction of rotation, is delimited by a rear doctor blade (18), both doctor blades being healingly seated against the circumference of the gravure roll (11). The device is characterized in that the front doctor blade (16) can be pressed against the circumference of the gravure roll (11) by means of a pressing body (24) with an adjustable pressing force.

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Citation (search report)  
See references of WO 2012055686A1

Cited by  
US11413650B2; US11331688B2; US11241708B2; US11267014B2; US11369987B2; US11504739B2

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