

Title (en)

Doctor roll for the volumetric dosing of a coating material.

Title (de)

Rakelstange zum volumetrischen Dosieren von Beschichtungsmaterial.

Title (fr)

Rouleau racleur pour le dosage volumétrique d'un matériau d'enduction.

Publication

EP 0427924 A2 19910522 (DE)

Application

EP 90115282 A 19900809

Priority

DE 3937749 A 19891114

Abstract (en)

In known doctor rolls for the volumetric metering of coating material, in particular onto running paper and cardboard webs, the outer surface has elevations and depressions. The new doctoring roll permits low application weights to be used in a streak-free manner without damage occurring to the roller surface when applying onto a roller. For this purpose, the surfaces of the elevations (2) are level and are located in a cylindrical envelope surface, the sum of the surfaces of the elevations (2) is 10%-50% of the cylindrical envelope surface and the profile depth Pt (2.5 mm) of the entire surface in accordance with DIN 4771 has a value between 30 μ m and 150 μ m. <IMAGE>

Abstract (de)

Die Oberflächen der Erhebungen (2) der Rakelstange (1) sind eben und liegen in einer zylindrischen Hüllfläche, die Summe der Oberflächen der Erhebungen (2) beträgt 10 % - 50 % der zylindrischen Hüllfläche, und die Profiltiefe Pt (2,5 mm) der Gesamtoberfläche nach DIN 4771 hat einen Wert zwischen 30 μ m und 150 μ m.

IPC 1-7

B05C 11/02; **B41N 7/06**; **D21H 23/58**

IPC 8 full level

B05C 11/02 (2006.01); **D21H 23/00** (2006.01); **D21H 23/52** (2006.01); **D21H 23/58** (2006.01)

CPC (source: EP)

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Cited by

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