

Title (en)

Apparatus for intermittently transferring liquid materials onto a surface to be coated, and method for operating such an apparatus.

Title (de)

Vorrichtung zum diskontinuierlichen Übertragen von flüssigen Materialien auf eine zu beschichtende Oberfläche, sowie Verfahren zum Betrieb einer solchen Vorrichtung.

Title (fr)

Dispositif pour le transfert discontinu de matériaux liquides sur une surface à enduire, et procédé pour le fonctionnement d'un tel dispositif.

Publication

**EP 0012934 A1 19800709 (DE)**

Application

**EP 79105104 A 19791212**

Priority

DE 2855769 A 19781222

Abstract (en)

1. Device for discontinuously transferring a liquid material on to a surface to be coated, which device has a storage container holding the material, from which container the material is able to be transferred to indentations in the surface of a cliché, a doctor device for cleaning the surface of the cliché after the indentations of the latter have been filled, and an elastic transfer element, called a pad, which can be applied to the surface of the cliché at the beginning of a take-up stroke to receive the material resting in the indentations of the cliché and which pad can then be moved towards and pressed against the surface to be coated for the purpose of transferring the received material, characterized in that the store of liquid printing material (1), the cliché (5) which is in the form of a rotatable roller element (4), the circumference of which is partly immersed in the printing material store and which has indentations (6) which are distributed at intervals in a circumferential direction around the circumference of the roller element, and the doctor device (7) are encapsulated in a container (2) which is closed to the exterior, from which container the circumference of the roller element (4) projects slightly in a radial direction through a supply opening (3), in such a way that this supply opening (3) is closed by means of the projecting section of the roller element except for narrow peripheral areas along the edge of element (10, 11), which encloses the supply opening (3) and the projecting section of the roller element and which can be opened for the application of the pad (12) to the roller surface, is mounted on the container (2).

Abstract (de)

Verfahren und Vorrichtung zum indirekten diskontinuierlichen Übertragen von leicht flüchtigen, entflammbaren, sich an der Luft zersetzenden oder gesundheitsschädlichen flüssigen Druckmaterialien (1) mit einer mit Vertiefungen (6) versehenen Klischeewalze (4), Rakeleinrichtungen (7) und einem Übertragungsteil, genannt Tampon (12), wobei der Vorrat an flüssigem Druckmaterial, der Walzenkörper (4) mit dem Klischee (5) und die Rakeleinrichtungen (7) in einem nach außen hin weitgehend abgeschlossenen Behälter (2) eingekapselt sind und die Abgabeöffnung (3) des Behälters (2) durch einen getaktet rotierenden Walzenkörper (4) weitmöglichst verschlossen und mit einem Zusatzverschluß (10) versehen ist, der sich kurz vor dem Aufsetzen des Tampons (12) öffnet und nach der Druckmaterialübernahme durch den Tampon (12) sofort wieder schließt.

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**B41F 17/00**; **B41M 1/10**

IPC 8 full level

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CPC (source: EP)

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