

Title (en)

Color change device for applying uniformly along the width a thin liquid film onto a web

Title (de)

Vorrichtung für einen Farbwechsel beim Aufbringen eines über die Arbeitsbreite gleichmässig dünnen Flüssigkeitsfilmes auf eine Warenbahn

Title (fr)

Dispositif de changement de couleur pour l'application sur une bande d'un film mince liquide de façon uniforme sur la largeur

Publication

**EP 1618965 A3 20071121 (DE)**

Application

**EP 05009652 A 20050503**

Priority

DE 102004035624 A 20040722

Abstract (en)

[origin: EP1618965A2] The unit for the applying of a flowing liquid film over the width of a continuously pre-moved product sheet (6) has a time-activated pump and a liquid distribution unit with a liquid distribution chamber connected to the pump. The unit has two application devices (A,B) installed one behind the other and each with a pump by which they are supplied with liquid. The pumps of the two devices for the feed of the respective application liquid are controlled in such a way that the actual distance between the application devices with regard to the time-activated application activity is optimized in the sense of a shortened empty run for the product sheet. An independent claim is included for a control unit for the two application devices through which the region of the product sheet not wetted by one of the application liquids comes to only a few centimeters.

IPC 8 full level

**B05C 5/00** (2006.01)

CPC (source: EP US)

**B05C 5/008** (2013.01 - EP US); **B05C 11/1039** (2013.01 - EP US); **B05B 12/1472** (2013.01 - EP US); **B05C 9/06** (2013.01 - EP US)

Citation (search report)

- [XY] DE 2540570 A1 19770317 - BRUECKNER APPARATEBAU GMBH
- [Y] US 6294023 B1 20010925 - KATAGIRI YOSHINOBU [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1618965 A2 20060125; EP 1618965 A3 20071121**; CN 1724175 A 20060125; DE 102004035624 A1 20060209; US 2006016394 A1 20060126

DOCDB simple family (application)

**EP 05009652 A 20050503**; CN 200510089526 A 20050721; DE 102004035624 A 20040722; US 14200105 A 20050601