

Title (en)

Apparatus for applying a liquid-film to a material web.

Title (de)

Vorrichtung zum Aufbringen eines Flüssigkeitsfilmes auf eine Warenbahn.

Title (fr)

Dispositif pour l'application d'un film liquide sur une matière en bande.

Publication

EP 0472050 B1 19950927 (DE)

Application

EP 91113234 A 19910807

Priority

DE 4026198 A 19900818

Abstract (en)

[origin: EP0472050A2] In a liquid-application unit operating according to the refilling principle, the liquid which is to be fed via hoses is to be distributed uniformly over the working width. This took place previously by means of a reservoir space which is advantageously formed from a conically increasing retaining space, out of which the liquid runs onto the material web via an overflow edge and a guide surface. However, it is also essential with this low-volume liquid retaining space that the liquid be supplied uniformly over the working width, in particular when changing colour. In order to achieve this, individual liquid distribution spaces which extend one directly next to the other over the working width are defined in which uniformity is achieved by means of a forced distribution of the liquid from a feed opening to a number of outflow openings. This forced distribution takes place similarly to the structure of a family tree, namely in steps from one opening to two, four, eight, sixteen outflow openings and so on.
<IMAGE>

IPC 1-7

B05C 5/00

IPC 8 full level

B05C 5/00 (2006.01); **D06B 1/06** (2006.01)

CPC (source: EP US)

B05C 5/007 (2013.01 - EP US); **D06B 1/06** (2013.01 - EP US)

Cited by

US5992453A; DE4206155A1; AT410754B; US5942278A; DE102005042469A1; EP1762304A3; EP1618965A2; WO9714511A1; EP1762304A2; US6177126B1

Designated contracting state (EPC)

AT BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0472050 A2 19920226; EP 0472050 A3 19920513; EP 0472050 B1 19950927; AT E128384 T1 19951015; DE 4026198 A1 19920227; DE 59106579 D1 19951102; US 5243841 A 19930914

DOCDB simple family (application)

EP 91113234 A 19910807; AT 91113234 T 19910807; DE 4026198 A 19900818; DE 59106579 T 19910807; US 74714791 A 19910819