

Title (en)
APPLICATION DEVICE

Title (de)
AUFTRAGSVORRICHTUNG

Title (fr)
DISPOSITIF D'APPLICATION

Publication
EP 1432525 B1 20100407 (DE)

Application
EP 02771657 A 20020522

Priority
• DE 10125376 A 20010523
• EP 0205621 W 20020522

Abstract (en)
[origin: WO02094452A2] The invention relates to a device (10) for directly or indirectly applying liquid or pasty application medium (16) by means of an application system (12) on a strip of material (20), more particularly paper or carton. Said device comprises a device (24) for weakening the air boundary layer (G) carried by the bottom print (U), which is arranged before the application system (12) in the direction of movement (L) of the bottom print (U). According to the invention, said weakening device (24) has a blowing device (26) and a suctioning device (30), wherein the blowing device (26) is arranged in the direction of movement (L) of the bottom print (U) in front of the application system (12) and the blowing device generates an air current (36) in a direction opposite the direction of movement (L), wherein the suctioning device (30) is arranged in front of the blowing device (26) in the direction of movement (L) of the bottom print (U) and the suctioning device suctions at least part of the air current (36) produced by the blowing device (26) and at least part of the air boundary layer (G) carried by the bottom print (U).

IPC 8 full level
B05C 1/08 (2006.01); **D21H 23/30** (2006.01); **B05C 5/00** (2006.01); **B05C 9/12** (2006.01); **D21H 23/32** (2006.01); **D21H 23/46** (2006.01); **D21H 23/48** (2006.01); **D21H 23/50** (2006.01)

CPC (source: EP US)
B05C 5/005 (2013.01 - EP US); **D21H 23/30** (2013.01 - EP US)

Designated contracting state (EPC)
AT DE FI FR IT SE

DOCDB simple family (publication)
WO 02094452 A2 20021128; WO 02094452 A3 20040311; AT E463620 T1 20100415; DE 50214344 D1 20100520;
EP 1432525 A2 20040630; EP 1432525 B1 20100407; JP 2004531387 A 20041014; JP 4020198 B2 20071212; US 2004107899 A1 20040610;
US 2006065190 A1 20060330; US 7037375 B2 20060502; US 7326301 B2 20080205

DOCDB simple family (application)
EP 0205621 W 20020522; AT 02771657 T 20020522; DE 50214344 T 20020522; EP 02771657 A 20020522; JP 2002591160 A 20020522;
US 28117105 A 20051117; US 71630303 A 20031118