

Title (en)

Combined apparatus for laser Image transfer printing and lithographic cold stamping

Title (de)

Kombinierte Vorrichtung für Laserbildübertragungsdruck und lithographische Kaltstempelung

Title (fr)

Appareil combiné pour l'impression de transfert d'image laser et estampage à froid lithographique

Publication

EP 2028001 A1 20090225 (EN)

Application

EP 07114579 A 20070820

Priority

EP 07114579 A 20070820

Abstract (en)

A combined apparatus for laser image transfer printing and lithographic cold stamping according to the present invention is provided to solve the problems in the prior art that the substrate wobbles when getting in contact with the lower roller and smooth leaving therefrom can be difficult, and that the printing assembly has many parts and therefore a complex structure. The combined apparatus of the invention comprises a frame and mounted thereon a printing assembly, a laminating assembly, a laminated film receiving and releasing assembly, a substrate discharging assembly, a product receiving assembly, a plurality of conveying/holding means and a UV irradiator, wherein the laminating assembly consists of an upper roller and a lower roller, it is characterized in that, said lower roller has sandwich cavities provided inwardly of its arc outer surface, the cavities extend axially and are circumferentially divided into a plurality of air suction or blowing cavities, each of which opens at least on one side and has air holes opened to the arc outer surface of the lower roller, and a covering is provided on the frame to cover the openings of the air suction or blowing cavities, which covering has air suction and blowing orifices each facing the corresponding openings of the air suction or blowing cavities, and that the printing assembly comprises an impression roller, a rubber roller, a plate roller, an anilox roller, and ink supply and homogenizing components.

IPC 8 full level

B41F 13/02 (2006.01); **B41F 19/00** (2006.01); **B41F 19/06** (2006.01); **B41F 21/00** (2006.01); **B41F 21/10** (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP)

B41F 13/02 (2013.01); **B41F 19/00** (2013.01); **B41F 19/06** (2013.01); **B41F 21/00** (2013.01); **B41F 21/10** (2013.01); **B41F 21/102** (2013.01); **B41P 2219/51** (2013.01)

Citation (search report)

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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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2028001 A1 20090225; **EP 2028001 B1 20101013**; AT E484388 T1 20101015; DE 602007009833 D1 20101125

DOCDB simple family (application)

EP 07114579 A 20070820; AT 07114579 T 20070820; DE 602007009833 T 20070820