

Title (en)

High-speed printing machine with flexo printing matrix for sheets transported via a continuous suction belt conveyor

Title (de)

Hochgeschwindigkeitsdruckmaschine mit einer Flexodruckmatrize für durch ein kontinuierliches Saugförderband transportierte Bogen

Title (fr)

Machine d'impression à grande vitesse avec une matrice d'impression flexographique pour des feuilles transportées par un convoyeur à courroie aspirante sans fin

Publication

EP 1364783 A2 20031126 (EN)

Application

EP 03425316 A 20030516

Priority

IT AP20020005 A 20020520

Abstract (en)

The present invention refers to a printing machine with flexo printing matrix (03) for sheets, panels, plates and/or similar items of fibre-wood, MDF, plywood, cardboard, ceramic and any other material. The printing machine of the invention allows for using fast-drying inks that are more environmental friendly than water inks. The printing machine comprises a roll (01) with flexo printing matrix, an inking assembly (26,28) with inking roll (02) in contact with the flexo printing matrix and a perforated conveyor belt (04) that moves on a suction-operated surface (05) to transport the items to be printed to the printing stations by means of the force generated between the item and the belt thanks to air suction through the belt holes.
<IMAGE>

IPC 1-7

B41F 17/26; **B41F 5/24**

IPC 8 full level

B41F 5/24 (2006.01); **B41F 21/00** (2006.01); **B41F 31/02** (2006.01)

CPC (source: EP)

B41F 5/24 (2013.01); **B41F 21/00** (2013.01); **B41F 31/027** (2013.01)

Cited by

KR200448538Y1; CN106903988A; CN112874128A; EP2008816A3; EP2862715A3; CN113370646A; EP1625935A1; CN106364150A; WO2017103300A1; US8328303B2; US8960828B2; US9340033B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1364783 A2 20031126; **EP 1364783 A3 20041215**; **EP 1364783 B1 20061122**; AT E345931 T1 20061215; CY 1107340 T1 20121219; DE 60309773 D1 20070104; DE 60309773 T2 20071011; DK 1364783 T3 20070402; ES 2255891 T1 20060716; ES 2255891 T3 20070516; IT AP20020005 A1 20020819; PT 1364783 E 20070228; SI 1364783 T1 20070430

DOCDB simple family (application)

EP 03425316 A 20030516; AT 03425316 T 20030516; CY 071100253 T 20070222; DE 60309773 T 20030516; DK 03425316 T 20030516; ES 03425316 T 20030516; IT AP20020005 A 20020520; PT 03425316 T 20030516; SI 200330668 T 20030516