

Title (en)

Device for printing one sheet after the other and corresponding printing sheet.

Title (de)

Vorrichtung zum nacheinander Bedrucken von Bogen und die korrespondierende Druckstrasse.

Title (fr)

Installation pour l'impression feuille à feuille et ligne d'impression correspondante.

Publication

EP 0616886 B1 19950621 (FR)

Application

EP 94490010 A 19940322

Priority

FR 9303707 A 19930326

Abstract (en)

[origin: EP0616886A1] The device (3,4) for the flexographic-type printing of sheets of a semi-rigid material, of the corrugated cardboard type, includes: - a plate-carrying cylinder (30, 40) to the periphery of which is fixed a plate (31, 41) of thickness Ec, - a counterpressure system, which is possibly a counterpressure cylinder (35, 45), - an engraved cylinder (33, 43), - and a transfer system (36, 46) to the entrance of which the sheets (1a) are fed one by one. Characteristically, it furthermore comprises: a) three or four motors which are mechanically independent and which drive round respectively the plate-carrying cylinder (30, 40) in the case of the first, the engraved cylinder (33, 43) in the case of the second, the transfer system (36, 46) in the case of the third, and possibly the counterpressure cylinder (35, 45) in the case of the fourth, b) and an electronic circuit (7) which is connected to the second, third and possibly fourth motors, which receives as input a reference signal (6) and which comprises means for entering the operating parameters, including at least the thickness Ec of the plate (31, 41) and the printing speed. The electronic circuit (7) is programmed to control the rotation of the said motors automatically as a function of the thickness Ec and of the printing speed, so as to obtain optimal printing. <IMAGE>

IPC 1-7

B41F 5/24; **B41F 13/00**

IPC 8 full level

B41F 5/24 (2006.01); **B41F 13/004** (2006.01)

CPC (source: EP US)

B41F 5/24 (2013.01 - EP US); **B41F 13/0045** (2013.01 - EP US)

Cited by

EP1500504A3; FR3000917A1; EP1364783A3; DE19510677A1; EP2085221A1; EP1500504A2; US6851672B1; US9989953B2; US6912952B1; US6823786B1; US9895873B2; WO2014108324A1; WO2013060416A3; WO0134397A1

Designated contracting state (EPC)

CH DE ES GB IT LI

DOCDB simple family (publication)

EP 0616886 A1 19940928; **EP 0616886 B1 19950621**; CN 1099337 A 19950301; DE 69400007 D1 19950727; DE 69400007 T2 19951214; ES 2076845 T3 19951101; FR 2702998 A1 19940930; FR 2702998 B1 19950616; US 5385091 A 19950131

DOCDB simple family (application)

EP 94490010 A 19940322; CN 94103435 A 19940326; DE 69400007 T 19940322; ES 94490010 T 19940322; FR 9303707 A 19930326; US 21730894 A 19940323