

Title (en)

Controlling device for fly printing machine and corresponding method

Title (de)

Steuervorrichtung für Druckmaschine für fliegenden Druck und entsprechendes Verfahren

Title (fr)

Dispositif de commande pour machine d'impression à la volée, et procédé correspondant

Publication

EP 0545769 B2 20030924 (FR)

Application

EP 92403142 A 19921123

Priority

FR 9114807 A 19911129

Abstract (en)

[origin: EP0545769A1] The invention relates to a controlling device for a fly printing machine, managing on the one hand a first motor driving a rotary printing head, and on the other hand a second motor which actuates means for transporting the documents to be printed. According to the invention, the device comprises means for optimising the speed of rotation (V) of the said first motor, acting so that the tangential speed of the said printing head is kept equal to the transport speed (vi), during a printing phase corresponding to the time during which an envelope is in contact with the said working printing part, and as close as possible to the said transport speed during a complementary take-up phase. In this manner, the printing head no longer systematically stops during each printing cycle. The machine can therefore be used for fly printing. This in particular allows reduction of vibrations, wear and above all noise of the machine. Furthermore, it is thus easy to increase the throughput. <IMAGE>

IPC 1-7

B41K 3/12; **G07B 13/00**

IPC 8 full level

B41K 3/12 (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP US)

B41K 3/12 (2013.01 - EP US); **G07B 17/00467** (2013.01 - EP US); **G07B 17/00508** (2013.01 - EP US); **G07B 17/00661** (2013.01 - EP US); **G07B 2017/00548** (2013.01 - EP US); **G07B 2017/00693** (2013.01 - EP US)

Cited by

FR2730668A1; US5813347A; WO9626502A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0545769 A1 19930609; **EP 0545769 B1 19970122**; **EP 0545769 B2 20030924**; DE 69217014 D1 19970306; DE 69217014 T2 19970605; DE 69217014 T3 20040415; FR 2684335 A1 19930604; FR 2684335 B1 19950616; US 5471928 A 19951205

DOCDB simple family (application)

EP 92403142 A 19921123; DE 69217014 T 19921123; FR 9114807 A 19911129; US 98122492 A 19921125