

Title (en)

METHOD AND DEVICE FOR PRINTING MARKINGS ON FLAT CONSIGNMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM DRUCKEN VON MARKIERUNGEN AUF FLACHE SENDUNGEN

Title (fr)

DISPOSITIF ET PROCEDE PERMETTANT D'IMPRIMER DES MARQUES SUR DES ENVOIS PLATS

Publication

**EP 0759003 B1 19990602 (DE)**

Application

**EP 96911943 A 19960307**

Priority

- DE 19508180 A 19950309
- EP 9600975 W 19960307

Abstract (en)

[origin: DE19508180A1] The invention concerns a device for printing markings on flat consignments, said device comprising one or a plurality of printing stations which each comprise at least one print head (8), the consignments being guided individually past the printing stations by a conveyor and abutting a sliding element (1). Disposed in the region of the printing station is a vacuum device (5) which, by means of a vacuum, exerts on the consignments a normal force substantially perpendicular to the direction in which the consignments are conveyed towards the printing stations.

IPC 1-7

**B65H 5/22**

IPC 8 full level

**B41J 2/01** (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01); **B41J 13/22** (2006.01); **B65H 5/22** (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP US)

**B41J 3/407** (2013.01 - EP US); **B41J 11/0085** (2013.01 - EP US); **B41J 13/22** (2013.01 - EP US); **G07B 17/00467** (2013.01 - EP US); **G07B 17/00508** (2013.01 - EP US); **G07B 2017/00532** (2013.01 - EP US); **G07B 2017/00564** (2013.01 - EP US)

Cited by

DE102007060787A1; US8038237B2

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**DE 19508180 A1 19960912**; **DE 19508180 C2 19981001**; DE 59602059 D1 19990708; EP 0759003 A1 19970226; EP 0759003 B1 19990602; JP 3775511 B2 20060517; JP H10500384 A 19980113; US 5883643 A 19990316; WO 9628374 A1 19960919

DOCDB simple family (application)

**DE 19508180 A 19950309**; DE 59602059 T 19960307; EP 9600975 W 19960307; EP 96911943 A 19960307; JP 52724996 A 19960307; US 73735997 A 19970130