

Title (en)
FRANKING MACHINE

Title (de)
FRANKIERMASCHINE

Title (fr)
MACHINE A AFFRANCHIR LE COURRIER

Publication
EP 1183154 B1 20040811 (DE)

Application
EP 01905558 A 20010222

Priority
• CH 0100115 W 20010222
• CH 3452000 A 20000223

Abstract (en)
[origin: US8341094B2] The invention relates to a franking machine, comprising a print head of an ink-jet printing mechanism for printing flat postal items such as letters or postcards, which can be introduced into said mechanism or which pass through the same. Said franking machine consists of a guiding part which is located around the print head and projects in relation to the nozzle opening plane of said print head, and with which a conveying device is associated, said conveying device transporting the postal items between itself and conveying rollers lying opposite and rotating about axes that are located crosswise to the conveying direction. Said conveying device has two drive-connected driving rollers which together with the guiding part, form a path of travel. The driving rollers are located in front of and behind the print head in relation to the conveying direction. A reversibly liftable counter pressure roller located opposite exerts a pressure on each driving roller, respectively, or on a postal item being transported in-between. A roller feeler (39, 119) which is driven by the passing postal item and which is associated with an encoder device (122) is located between the driving rollers (13, 15; 127, 113) in order to monitor the speed and position of a postal item being transported or for controlling the pressure on a postal item.

IPC 1-7
B41J 13/12; G07B 17/00

IPC 8 full level
B41J 11/00 (2006.01); **B41J 11/20** (2006.01); **B41J 13/12** (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP US)
B41J 11/005 (2013.01 - EP US); **B41J 11/20** (2013.01 - EP US); **B41J 13/12** (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 2017/00532** (2013.01 - EP US); **G07B 2017/00556** (2013.01 - EP US); **G07B 2017/00669** (2013.01 - EP US); **G07B 2017/00693** (2013.01 - EP US)

Cited by
EP3489022A1; CN109808317A; US10815085B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0162506 A1 20010830; AT E265934 T1 20040515; AT E265935 T1 20040515; AT E273138 T1 20040815; AT E277770 T1 20041015; AU 782070 B2 20050630; AU 782071 B2 20050630; AU 782076 B2 20050630; AU 782136 B2 20050707; AU 8156101 A 20020228; AU 8156201 A 20020228; AU 8156301 A 20020228; AU 8156401 A 20020228; CA 2368351 A1 20010830; CA 2368355 A1 20010830; CA 2368358 A1 20010830; CA 2368360 A1 20010830; DE 50102184 D1 20040609; DE 50102191 D1 20040609; DE 50103192 D1 20040916; DE 50103845 D1 20041104; EP 1183154 A1 20020306; EP 1183154 B1 20040811; EP 1183155 A1 20020306; EP 1183155 B1 20040506; EP 1183156 A1 20020306; EP 1183156 B1 20040929; EP 1200268 A1 20020502; EP 1200268 B1 20040506; US 2002161728 A1 20021031; US 2003007820 A1 20030109; US 2003016981 A1 20030123; US 2003158825 A1 20030821; US 6910766 B2 20050628; US 6973433 B2 20051206; US 7255422 B2 20070814; US 8341094 B2 20121225; WO 0162503 A1 20010830; WO 0162504 A1 20010830; WO 0162505 A1 20010830

DOCDB simple family (application)
CH 0100121 W 20010223; AT 01905558 T 20010222; AT 01905559 T 20010222; AT 01905560 T 20010222; AT 01905564 T 20010223; AU 8156101 A 20011023; AU 8156201 A 20011023; AU 8156301 A 20011023; AU 8156401 A 20011023; CA 2368351 A 20010222; CA 2368355 A 20010222; CA 2368358 A 20010222; CA 2368360 A 20010223; CH 0100115 W 20010222; CH 0100116 W 20010222; CH 0100117 W 20010222; DE 50102184 T 20010222; DE 50102191 T 20010223; DE 50103192 T 20010222; DE 50103845 T 20010222; EP 01905558 A 20010222; EP 01905559 A 20010222; EP 01905560 A 20010222; EP 01905564 A 20010223; US 967901 A 20011020; US 968001 A 20011020; US 968101 A 20011020; US 968201 A 20011230