

Title (en)

Measurement of paper speed using laser speckle detection

Title (de)

Messung der Papiergeschwindigkeit mittels Detektion von Laser-Speckle

Title (fr)

Mesurage de la vitesse du papier utilisant la détection de la granulation produite par laser

Publication

EP 0926631 A2 19990630 (EN)

Application

EP 98123824 A 19981215

Priority

- US 6843497 P 19971221
- US 2345798 A 19980213

Abstract (en)

In a postage printing device, a printer is employed to print postage indicia on mail pieces. The printer is preferably a noncontact printer such as an ink-jet printer. Printing occurs as the mail piece moves relative to the print head of the printer, which requires that reliable motion information (e.g. a print clock signal) be made available to the electronics driving the print head. The reliable motion is provided in a noncontact way, preferably by directing a laser beam toward the mail piece and detecting a moving speckle pattern in the light scattered from the mail piece. <IMAGE>

IPC 1-7

G07B 17/00

IPC 8 full level

B41J 11/00 (2006.01); **B41J 11/42** (2006.01); **B41J 13/12** (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP)

B41J 11/008 (2013.01); **B41J 11/42** (2013.01); **B41J 13/12** (2013.01); **G07B 17/00508** (2013.01); **G07B 17/00661** (2013.01); **G07B 2017/00532** (2013.01); **G07B 2017/00669** (2013.01); **G07B 2017/00693** (2013.01)

Cited by

US2017266965A1; US7062183B2; FR2922480A1; EP1156456A1; DE10060454A1; CN112339446A; US10814622B2; GB2441632A; GB2441632B; US7643133B2; US11535031B2; EP3219497B1

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 0926631 A2 19990630; **EP 0926631 A3 20000906**; CA 2256237 A1 19990621; CA 2256237 C 20080212

DOCDB simple family (application)

EP 98123824 A 19981215; CA 2256237 A 19981216