

Title (en)

Device for transporting printed sheets in an installation for monitoring the quality of bank notes

Title (de)

Vorrichtung zum Transport bedruckter Bogen in einer Anlage zur Kontrolle der Qualität von Banknoten

Title (fr)

Dispositif de transport des feuilles imprimées dans une installation pour le contrôle de la qualité des papiers-valeurs

Publication

EP 0559616 B1 19961009 (FR)

Application

EP 93810135 A 19930225

Priority

CH 66292 A 19920303

Abstract (en)

[origin: US5368148A] The device comprises a conveyor chain (1) for the sheets to be checked (3) by a detector (5). The support bars (4, 4'), on which the sheet to be examined (3) slides, are fitted, in the checking zone, with suction nozzles (4a) and in the gap between two support bars (4) there are provided movable arms (10), fitted at their end with suction nozzles (10a) which, in the operating position, are aligned with the suction nozzles (4a) of the support bars and arranged in the sheet transfer plane in order to hold the sheet to be examined (3) in this plane. In order to prevent the clamps (2a) which pull the sheet (3) from touching the arms (10), a mechanism is provided for tilting the arms (10) when the clamps (2a) pass above these arms.

IPC 1-7

G07D 9/00; **G07D 7/00**

IPC 8 full level

B41F 33/14 (2006.01); **B41F 21/08** (2006.01); **B65G 47/00** (2006.01); **B65H 5/08** (2006.01); **B65H 29/04** (2006.01); **G06K 9/58** (2006.01); **G07D 7/12** (2016.01)

CPC (source: EP KR US)

B65H 29/04 (2013.01 - EP US); **G07D 3/00** (2013.01 - KR); **G07D 7/12** (2013.01 - EP US)

Cited by

WO2012059861A1; US8622389B2; WO2009152913A1; EP2138437A1; EP2383213A1; US9156245B2; US9387667B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

US 5368148 A 19941129; AT E144059 T1 19961015; AU 3312093 A 19930909; AU 655099 B2 19941201; CA 2089898 A1 19930904; CA 2089898 C 20040608; CN 1036950 C 19980107; CN 1079564 A 19931215; DE 69305202 D1 19961114; DE 69305202 T2 19970403; EP 0559616 A1 19930908; EP 0559616 B1 19961009; JP 3145528 B2 20010312; JP H0615808 A 19940125; KR 100267788 B1 20001016; KR 930020318 A 19931019; RU 2107947 C1 19980327; UA 27737 C2 20001016

DOCDB simple family (application)

US 2042793 A 19930222; AT 93810135 T 19930225; AU 3312093 A 19930218; CA 2089898 A 19930219; CN 93102337 A 19930219; DE 69305202 T 19930225; EP 93810135 A 19930225; JP 3311393 A 19930223; KR 930002877 A 19930227; RU 93004726 A 19930302; UA 93002843 A 19930504