

Title (en)

Device for detecting the position of an edge of a processed material

Title (de)

Einrichtung zum Erfassen der Lage einer Kante eines Verarbeitungsgutes

Title (fr)

Dispositif pour déterminer la position d'un bord d'un matériau traité

Publication

**EP 1300354 A3 20040623 (DE)**

Application

**EP 02020909 A 20020919**

Priority

DE 10149437 A 200111006

Abstract (en)

[origin: EP1300354A2] Device for detecting the position of the edge of print material (2) or paper sheets (3) using an optoelectronic measurement unit or reflex row, comprising two parallel CCD rows arranged behind one another in the transport direction. The CCD rows (11-15) are staggered relative to each other in a direction perpendicular to the transport direction, so that gaps in one row are covered by CCD cells in the other row.

IPC 1-7

**B65H 7/10**

IPC 8 full level

**B65H 7/10** (2006.01); **B65H 7/14** (2006.01); **B65H 23/02** (2006.01); **B65H 11/00** (2006.01)

CPC (source: EP)

**B65H 7/10** (2013.01); **B65H 7/14** (2013.01); **B65H 11/00** (2013.01); **B65H 23/0216** (2013.01); **B65H 2511/514** (2013.01); **B65H 2515/60** (2013.01); **B65H 2553/414** (2013.01); **B65H 2553/416** (2013.01); **B65H 2553/82** (2013.01); **B65H 2557/512** (2013.01); **B65H 2701/131** (2013.01)

Citation (search report)

- [A] US 4899226 A 19900206 - TANIMOTO KOJI [JP], et al
- [A] GB 1307664 A 19730221 - POLYGRAPH LEIPZIG
- [A] WO 0047947 A1 20000817 - NEXPRESS SOLUTION LLC [US], et al
- [A] US 4005285 A 19770125 - PRICE EDGAR E
- [A] DE 3035550 A1 19820429 - LICENTIA GMBH [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12 3 January 2001 (2001-01-03)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 015, no. 198 (P - 1204) 22 May 1991 (1991-05-22)

Cited by

EP2030924A1; EP2093173A1; US8476611B2; US8729513B2; EP2407402A2; DE102010027119A1; EP2098469A2; DE102008012775A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1300354 A2 20030409; EP 1300354 A3 20040623; EP 1300354 B1 20070103;** DE 10149437 A1 20030417; DE 50209144 D1 20070215

DOCDB simple family (application)

**EP 02020909 A 20020919;** DE 10149437 A 200111006; DE 50209144 T 20020919