

Title (en)

DEVICE AND METHOD FOR DETECTING PAPER SHEETS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERFASSUNG VON PAPIERBÖGEN

Title (fr)

DISPOSITIF ET PROCEDE POUR LA DETECTION DE FEUILLES DE PAPIER

Publication

EP 1252082 A2 20021030 (DE)

Application

EP 01900364 A 20010124

Priority

- CH 0100052 W 20010124
- CH 1512000 A 20000126

Abstract (en)

[origin: WO0123289A2] The inventive device has at least one optical sensor (7, 8) which emits a ray of light (13, 14) that is inclined in relation to the surface of the pallet (2), forming an angle and irradiating the surface of the pallet (2) at a reflection point; and means (9, 10, 11, 12) for displacing the reflection point over the surface of the pallet (2), over a predetermined path.

IPC 1-7

B65H 7/14

IPC 8 full level

B65H 7/04 (2006.01); **B65H 7/14** (2006.01); **G07D 7/12** (2016.01); **G07D 7/121** (2016.01)

CPC (source: EP KR US)

B65H 7/14 (2013.01 - EP KR US); **B65H 2301/363** (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/23** (2013.01 - EP US); **B65H 2511/51** (2013.01 - EP US); **B65H 2515/60** (2013.01 - EP US); **B65H 2553/414** (2013.01 - EP US)

C-Set (source: EP US)

EP

1. **B65H 2511/51 + B65H 2220/03**
2. **B65H 2515/60 + B65H 2220/01**
3. **B65H 2511/23 + B65H 2220/03**
4. **B65H 2511/15 + B65H 2220/03 + B65H 2220/01**

US

1. **B65H 2511/15 + B65H 2220/03 + B65H 2220/01**
2. **B65H 2511/23 + B65H 2220/03**
3. **B65H 2511/51 + B65H 2220/03**
4. **B65H 2515/60 + B65H 2220/01**

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 0123289 A2 20010405; **WO 0123289 A3 20011004**; AT E299832 T1 20050815; AU 2498001 A 20010430; AU 778749 B2 20041216; CA 2397218 A1 20010405; CN 1396883 A 20030212; DE 50106782 D1 20050825; EP 1252082 A2 20021030; EP 1252082 B1 20050720; JP 2003510233 A 20030318; KR 20020080384 A 20021023; RU 2002122760 A 20040410; US 2005224731 A1 20051013; US 7049619 B2 20060523

DOCDB simple family (application)

CH 0100052 W 20010124; AT 01900364 T 20010124; AU 2498001 A 20010124; CA 2397218 A 20010124; CN 01804179 A 20010124; DE 50106782 T 20010124; EP 01900364 A 20010124; JP 2001526452 A 20010124; KR 20027009432 A 20020723; RU 2002122760 A 20010124; US 18123703 A 20030117