

Title (en)

Detection and device for detecting recording media

Title (de)

Detektion und Vorrichtung zur Detektion von Aufzeichnungsträgern

Title (fr)

Détection et dispositif destiné à la détection de supports d'enregistrement

Publication

**EP 1731455 A1 20061213 (DE)**

Application

**EP 06011005 A 20060529**

Priority

DE 102005026200 A 20050607

Abstract (en)

The device has an ultrasonic sensor comprising of a transmitter for sending measurement signal towards a recording medium (18), and a receiver for acquiring measurement signal sent through the recording medium. An evaluator (4) generates detection signal based on received measurement signal. The transmitter and receiver are galvanically disconnected and mechanically decoupled from each other.

IPC 8 full level

**B65H 7/04** (2006.01); **B65H 7/12** (2006.01); **G01N 33/34** (2006.01)

CPC (source: EP US)

**B65H 7/04** (2013.01 - US); **B65H 7/125** (2013.01 - EP US); **B65H 2553/22** (2013.01 - EP US); **B65H 2553/23** (2013.01 - EP US); **B65H 2553/30** (2013.01 - EP US); **B65H 2553/412** (2013.01 - EP US); **B65H 2557/242** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (applicant)

- WO 2005066051 A1 20050721 - PEPPERL & FUCHS [DE], et al
- DE 202004006285 U1 20040715 - OPPENWEILER BINDER GMBH MASCHB [DE]
- DE 10216742 A1 20021128 - HEIDELBERGER DRUCKMASCH AG [DE]

Citation (search report)

- [DX] DE 20312388 U1 20031120 - PEPPERL & FUCHS [DE]
- [DX] DE 3620042 A1 19870108 - POLYGRAPH LEIPZIG [DD]
- [PX] WO 2005066051 A1 20050721 - PEPPERL & FUCHS [DE], et al
- [A] DE 202004006285 U1 20040715 - OPPENWEILER BINDER GMBH MASCHB [DE]
- [A] DE 10216742 A1 20021128 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by

EP2769949A1; US9465021B2; WO2024068405A1

Designated contracting state (EPC)

CH DE LI

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1731455 A1 20061213**; **EP 1731455 B1 20091230**; DE 102005026200 A1 20061221; DE 502006005765 D1 20100211; JP 2007022808 A 20070201; US 2007007721 A1 20070111; US 2013152689 A1 20130620; US 8266965 B2 20120918; US 8966983 B2 20150303

DOCDB simple family (application)

**EP 06011005 A 20060529**; DE 102005026200 A 20050607; DE 502006005765 T 20060529; JP 2006158278 A 20060607; US 201213558438 A 20120726; US 42268206 A 20060607