

Title (en)  
Device for aligning vouchers

Title (de)  
Vorrichtung zum Ausrichten von Wertscheinen

Title (fr)  
Dispositif d'alignement de documents de valeur

Publication  
**EP 2489617 A3 20150701 (DE)**

Application  
**EP 12155568 A 20120215**

Priority  
DE 102011000782 A 20110217

Abstract (en)  
[origin: EP2489617A2] The apparatus (100) has alignment elements (116,118) which are provided on the bearing region where sheet media is supported. The sensors (120,122,124,126) are provided for detecting sheet media in detection area. The drive unit is provided for moving the alignment element (118) for aligning sheet media in response to the detected result of the sensor.

IPC 8 full level  
**B65H 7/06** (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP US)  
**B65H 7/06** (2013.01 - EP US); **B65H 9/101** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2511/24** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2511/515** (2013.01 - EP US); **B65H 2513/40** (2013.01 - EP US); **B65H 2553/81** (2013.01 - EP US); **B65H 2701/1315** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)  
• [XAY] US 2010140863 A1 20100610 - CHIEN TIEN YUAN [TW], et al  
• [XA] US 4657239 A 19870414 - IKESUE MASUMI [JP], et al  
• [YA] US 2007057429 A1 20070315 - WATANABE KOJI [JP], et al  
• [XA] GB 2317881 A 19980408 - MARS INC [US]

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2489617 A2 20120822; EP 2489617 A3 20150701; EP 2489617 B1 20230412**; DE 102011000782 A1 20120823;  
US 2012211935 A1 20120823; US 8505912 B2 20130813

DOCDB simple family (application)  
**EP 12155568 A 20120215**; DE 102011000782 A 20110217; US 201213398193 A 20120216