

Title (en)  
Separation device

Title (de)  
Vereinzelungsvorrichtung

Title (fr)  
Dispositif de séparation

Publication  
**EP 1914023 B1 20100519 (DE)**

Application  
**EP 07020188 A 20071016**

Priority  
AT 17662006 A 20061020

Abstract (en)  
[origin: EP1914023A1] Separating device (1) comprises a manipulating unit (5) and a transport support (2) positioned on a support surface (6) via positioning protrusions (31) of the transport support and positioning units having centering holders (32). An adjusting space (27) formed by the positioning units forms a stacking shaft (3) in a reference position to final position of a gripping device (14).

IPC 8 full level  
**B21D 43/10** (2006.01); **B21D 43/24** (2006.01); **B65H 1/00** (2006.01); **B65H 9/00** (2006.01)

CPC (source: EP US)  
**B21D 5/0281** (2013.01 - EP US); **B21D 43/105** (2013.01 - EP US); **B21D 43/24** (2013.01 - EP US)

Cited by  
CN107931474A; AT516279A4; AT516279B1; EP2508276A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1914023 A1 20080423**; **EP 1914023 B1 20100519**; AT 503916 A4 20080215; AT 503916 B1 20080215; AT E468185 T1 20100615; DE 502007003832 D1 20100701; US 2008226438 A1 20080918; US 7785062 B2 20100831

DOCDB simple family (application)  
**EP 07020188 A 20071016**; AT 07020188 T 20071016; AT 17662006 A 20061020; DE 502007003832 T 20071016; US 87633907 A 20071022