

Title (en)

Device for separating a continuous conveyed overlapping formation of flat products

Title (de)

Vorrichtung zum Trennen eines geförderten Stromes von geschuppt übereinander liegenden, flachen Werkstücken

Title (fr)

Dispositif pour séparer des produits plats transportés en formation imbriquée

Publication

EP 1657200 A1 20060517 (DE)

Application

EP 05023916 A 20051103

Priority

DE 102004055325 A 20041116

Abstract (en)

The device for the separating of a conveyed stream of flat objects lying one upon the other in shingle fashion has two conveyor belts (2,3) in series and operated at different speeds. A first means (8,10,12,14) are provided for the lifting of the workpiece (7) from at least one of the conveyor belts of a part of the stream next to the separating point, and additional means (8,9,11,13,15) are provided for the lifting of workpieces from at least one conveyor belt and act upon at least one workpiece in the region of the shingle stream at a distance from the separating point. An independent claim is included for a method for the separating of a continuously transported stream of flat objects in shingle layered fashion.

IPC 8 full level

B65H 29/66 (2006.01); **B65H 29/68** (2006.01); **B65H 33/12** (2006.01)

CPC (source: EP)

B65H 29/66 (2013.01); **B65H 29/68** (2013.01); **B65H 33/12** (2013.01)

Citation (applicant)

DE 3941184 A1 19910620 - WINDMOELLER & HOELSCHER [DE]

Citation (search report)

- [DA] DE 3941184 A1 19910620 - WINDMOELLER & HOELSCHER [DE]
- [A] US 5158278 A 19921027 - AUF DER MAUER KONRAD [CH]
- [A] US 3834288 A 19740910 - BEHRENS R, et al

Cited by

DE102016119577A1; EP2138438A2; WO2014040187A1; US9517897B2; EP2949439B1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1657200 A1 20060517; **EP 1657200 B1 20140514**; DE 102004055325 A1 20060524; DE 102004055325 B4 20070816; ES 2487192 T3 20140820

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