

Title (en)

SWITCHING AND EJECTION DEVICE AND METHOD FOR A PLATE-SHAPED ELEMENT

Title (de)

SCHALT- UND AUSSTOSSVORRICHTUNG SOWIE VERFAHREN FÜR EIN PLATTENFÖRMIGES ELEMENT

Title (fr)

DISPOSITIF ET PROCEDE D'AIGUILLAGE ET D'EJECTION POUR ELEMENT EN PLAQUE

Publication

EP 3529186 A1 20190828 (FR)

Application

EP 17780005 A 20171005

Priority

- EP 16020405 A 20161018
- EP 2017025300 W 20171005

Abstract (en)

[origin: WO2018072887A1] A switching device (130) for transferring and ejecting a plate-shaped element (20) in a sorting unit (100) comprises: – transport means (132) that are able to move (A) the plate-shaped element (20) from upstream to downstream; – a pivot (134) positioned at the level of an upstream portion of the transport means (132) and allowing the transport means (132) to pivot about a horizontal transverse axis (R2); and – lifting means (135) that are secured at the level of a downstream portion of the transport means (132) so as to make the downstream portion of the transport means (132) pivot between an upper first position and a lower second position and vice versa, so as to switch the plate-shaped element (20) respectively upward and downward.

IPC 8 full level

B65H 29/12 (2006.01); **B65H 29/24** (2006.01); **B65H 29/62** (2006.01)

CPC (source: EP KR US)

B65H 29/12 (2013.01 - EP KR US); **B65H 29/242** (2013.01 - EP KR US); **B65H 29/585** (2013.01 - EP); **B65H 29/62** (2013.01 - EP KR US); **B65H 2301/4473** (2013.01 - EP); **B65H 2301/44735** (2013.01 - EP); **B65H 2301/4474** (2013.01 - EP); **B65H 2403/514** (2013.01 - EP KR US); **B65H 2403/532** (2013.01 - EP KR); **B65H 2404/2641** (2013.01 - EP KR US); **B65H 2404/2693** (2013.01 - EP); **B65H 2701/1764** (2013.01 - EP KR US); **B65H 2801/42** (2013.01 - EP)

Citation (search report)

See references of WO 2018072887A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018072887 A1 20180426; CN 109843765 A 20190604; CN 109843765 B 20211116; EP 3529186 A1 20190828; IL 265873 A 20190630; JP 2019531240 A 20191031; JP 6918932 B2 20210811; KR 102210177 B1 20210201; KR 20190060856 A 20190603; TW 201827317 A 20180801; TW I673222 B 20191001; US 11198579 B2 20211214; US 2020039778 A1 20200206

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EP 2017025300 W 20171005; CN 201780063697 A 20171005; EP 17780005 A 20171005; IL 26587319 A 20190407; JP 2019520831 A 20171005; KR 20197013742 A 20171005; TW 106135328 A 20171016; US 201716339331 A 20171005