

Title (en)
Transport device for flat products

Title (de)
Transportiervorrichtung für flächige Produkte

Title (fr)
Dispositif de transport pour produits plats

Publication
EP 2399853 A3 20121219 (DE)

Application
EP 11171065 A 20110622

Priority
DE 102010025223 A 20100623

Abstract (en)
[origin: EP2399853A2] The device has a feeder (12) and a transporting unit (14) that includes a set of transporting elements (54, 56) that is parallelly arranged in transporting direction. The transporting elements are attached to side edges (47, 49) of flat products (18) e.g. envelope, so that the flat products are gripped by the transporting elements and transported in the transporting direction. Another set of transporting elements (64, 66) is arranged parallel to the transporting direction and attached to side edges of the flat products, so that the flat products are transported in the transporting direction. An independent claim is also included for a method for transporting flat products e.g. envelope.

IPC 8 full level
B65H 29/40 (2006.01); **B65H 31/06** (2006.01)

CPC (source: EP US)
B65H 29/40 (2013.01 - EP US); **B65H 31/06** (2013.01 - EP US); **B65H 2301/42142** (2013.01 - EP US); **B65H 2301/4422** (2013.01 - EP US); **B65H 2404/267** (2013.01 - EP US); **B65H 2404/6591** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Citation (search report)

- [X] WO 2010027524 A1 20100311 - KERN INT INC [US], et al
- [X] EP 0253995 A2 19880127 - STOBBS INC [US]
- [X] NL 7706029 A 19781205 - BUHRS ZAANDAM BV
- [A] DE 4304832 A1 19940818 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by
CN104495354A

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 2399853 A2 20111228; EP 2399853 A3 20121219; DE 102010025223 A1 20111229; US 2011315510 A1 20111229

DOCDB simple family (application)
EP 11171065 A 20110622; DE 102010025223 A 20100623; US 201113166224 A 20110622