

Title (en)
Stack formation device

Title (de)
Stapelbildungsvorrichtung

Title (fr)
Dispositif de formation de piles

Publication
EP 2505536 A3 20130306 (DE)

Application
EP 12161717 A 20120328

Priority
DE 102011006482 A 20110331

Abstract (en)
[origin: EP2505536A2] The stacking device has a stacking area (12) and a supporting device for supporting a stack (30) in the stacking area. The supporting device has multiple discrete supporting elements, which are provided in transport direction (A) of flat portions, are arranged successively and are placed movable in an angle against the transport direction of the flat portions, preferably right angled to transport direction of the flat portions or vertically between a lower position and an upper position.

IPC 8 full level
B65H 31/10 (2006.01); **B65H 31/20** (2006.01); **B65H 31/30** (2006.01); **B65H 31/32** (2006.01)

CPC (source: EP US)
B65H 31/10 (2013.01 - EP US); **B65H 31/20** (2013.01 - EP US); **B65H 31/3045** (2013.01 - EP US); **B65H 31/32** (2013.01 - EP US); **B65H 2405/1116** (2013.01 - EP US); **B65H 2511/10** (2013.01 - EP US)

Citation (search report)

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- [X] US 3471142 A 19691007 - BERGEZ ANDRE
- [X] GB 2190070 A 19871111 - WILL E C H
- [X] JP 2001089005 A 20010403 - MINOLTA CO LTD
- [A] EP 0997420 A2 20000503 - WILL E C H GMBH & CO [DE]

Cited by
CN104385159A; US9221628B2; EP2602220B1

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 2505536 A2 20121003; EP 2505536 A3 20130306; EP 2505536 B1 20140827; BR 102012007346 A2 20130604; CN 102730468 A 20121017; DE 102011006482 A1 20121004; ES 2516824 T3 20141031; IN 978DE2012 A 20150911; JP 2012214297 A 20121108; US 2012274018 A1 20121101; US 8991810 B2 20150331

DOCDB simple family (application)
EP 12161717 A 20120328; BR 102012007346 A 20120330; CN 201210157233 A 20120330; DE 102011006482 A 20110331; ES 12161717 T 20120328; IN 978DE2012 A 20120330; JP 2012079297 A 20120330; US 201213435495 A 20120330