

Title (en)
Vacuum Sheet Feeder

Title (de)
Vakuumbblattzuführung

Title (fr)
Dispositif d'alimentation de feuilles sous vide

Publication
EP 2149524 A3 20120905 (EN)

Application
EP 09166050 A 20090721

Priority
GB 0813828 A 20080729

Abstract (en)
[origin: EP2149524A2] A vacuum feeding mechanism for a document handling apparatus, the feeding mechanism comprising: an adjustable pick (5) for separating a stack of documents (1) from a downstream transport system; a rotatable wheel (3) connected to a vacuum port and operable to pull a document (1) by suction from the top of the stack toward the wheel (3) and move the document over the pick (5) to the downstream transport system; the wheel (3) and the pick (5) being separated by a clearance distance; means for determining adjustment coordinates in dependence upon characteristics of a document (1) in the stack; wherein the position of the pick (5) is automatically adjustable in two independent dimensions in dependence upon said adjustment coordinates.

IPC 8 full level
B65H 3/10 (2006.01); **B65H 3/56** (2006.01); **B65H 7/02** (2006.01)

CPC (source: EP GB US)
B65H 3/0692 (2013.01 - GB); **B65H 3/10** (2013.01 - EP GB US); **B65H 3/56** (2013.01 - EP GB US); **B65H 7/02** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2511/23** (2013.01 - EP US); **B65H 2515/10** (2013.01 - EP US); **B65H 2515/34** (2013.01 - EP US); **B65H 2515/37** (2013.01 - EP US); **B65H 2701/171** (2013.01 - EP US)

C-Set (source: EP US)

EP
1. **B65H 2511/13 + B65H 2220/01**
2. **B65H 2511/22 + B65H 2220/02 + B65H 2220/11**
3. **B65H 2515/37 + B65H 2220/01**
4. **B65H 2515/10 + B65H 2220/01**
5. **B65H 2511/23 + B65H 2220/02**
6. **B65H 2515/34 + B65H 2220/02 + B65H 2220/11**
US
1. **B65H 2511/13 + B65H 2220/01**
2. **B65H 2511/22 + B65H 2220/02 + B65H 2220/11**
3. **B65H 2515/34 + B65H 2220/02 + B65H 2220/11**
4. **B65H 2515/37 + B65H 2220/01**
5. **B65H 2515/10 + B65H 2220/01**
6. **B65H 2511/23 + B65H 2220/02**

Citation (search report)
• [A] JP H11199072 A 19990727 - HORIZON INT INC
• [A] JP H10167504 A 19980623 - CANON KK
• [AD] JP 2002046879 A 20020212 - TOSHIBA CORP

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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