

Title (en)  
Sheet feeder with two suction wheels

Title (de)  
Bogenanleger mit zwei Saugrädern

Title (fr)  
Alimenteur de feuilles avec deux roues d'aspiration

Publication  
**EP 2602217 A3 20140730 (DE)**

Application  
**EP 12191541 A 20121107**

Priority  
DE 102011120475 A 20111208

Abstract (en)  
[origin: EP2602217A2] The sheet feeder (10) has first suction wheel (1) having axis of rotation that is located above stack (100). The second suction wheel (2) is located downstream of first suction wheel in sheet travel direction (T), which is located above or below sheet travel plane (E). A separation device (3) is located near rear edge (100.1) of stack to lift uppermost sheet (1000) off the stack. The axes of rotation of suction wheels are located at different distances (A,B) from rear edge and front edge (100.2) of stack respectively, where first distance is greater than or equal to second distance.

IPC 8 full level  
**B65H 3/10** (2006.01); **B65H 3/08** (2006.01); **B65H 5/22** (2006.01)

CPC (source: EP US)  
**B65H 3/0825** (2013.01 - EP US); **B65H 3/10** (2013.01 - EP US); **B65H 5/12** (2013.01 - US); **B65H 5/226** (2013.01 - EP US); **B65H 2406/33** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2801/24** (2013.01 - EP US)

Citation (search report)

- [X] WO 2006024295 A1 20060309 - NISSEN RICHARD [DK]
- [X] US 2011254220 A1 20111020 - ASARI YUKIO [JP], et al
- [A] DE 8709967 U1 19870910

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DE102015100589A1; WO2015107121A1

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 2602217 A2 20130612; EP 2602217 A3 20140730; EP 2602217 B1 20170201**; CN 103159051 A 20130619; DE 102011120475 A1 20130613; JP 2013119483 A 20130617; JP 6161275 B2 20170712; PT 2602217 T 20170315; US 2013147108 A1 20130613; US 8960663 B2 20150224

DOCDB simple family (application)  
**EP 12191541 A 20121107**; CN 201210520815 A 20121206; DE 102011120475 A 20111208; JP 2012269613 A 20121210; PT 12191541 T 20121107; US 201213709217 A 20121210