

Title (en)  
PAPER SHEET FEEDING APPARATUS

Title (de)  
PAPIERBLATTZUFÜHRUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ALIMENTATION EN FEUILLES DE PAPIER

Publication  
**EP 3002237 A1 20160406 (EN)**

Application  
**EP 15183204 A 20150831**

Priority  
JP 2014202634 A 20140930

Abstract (en)  
A paper sheet feeding apparatus according to an embodiment includes a first feeding tray 210, a pickup unit 150, a second feeding tray 310, an air blow unit 130, a status sensor 140, and a controller 100. The first feeding tray 210 and the second feeding tray 310 respectively feed a batch of sheets to the pickup unit 150. The air blow unit 130 blows air to loosen an upper part of the batch of sheets. The status sensor 140 detects sparseness value of the upper part of the batch of sheets. The controller 100 makes the batch of sheets on the first feeding tray 210 to fall on top of that of the second feeding tray 310 when switching the feeding tray in charge of feeding the sheets from the first feeding tray 210 to the second feeding tray 310.

IPC 8 full level  
**B65H 1/26** (2006.01); **B65H 1/30** (2006.01); **B65H 3/48** (2006.01); **B65H 7/04** (2006.01)

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**B65H 1/263** (2013.01 - EP US); **B65H 1/30** (2013.01 - EP US); **B65H 3/0883** (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **B65H 7/04** (2013.01 - EP US); **B65H 2513/40** (2013.01 - EP US); **B65H 2515/12** (2013.01 - EP US); **B65H 2515/60** (2013.01 - EP US); **B65H 2553/414** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)

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EP3275816A1

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 3002237 A1 20160406; EP 3002237 B1 20180321**; JP 2016069169 A 20160509; US 2016090249 A1 20160331

DOCDB simple family (application)  
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