

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
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Citation (search report)
• [A] JP 2001163457 A 20010619 - TOSHIBA CORP
• [A] US 2010194029 A1 20100805 - DOPFER PETER [DE], et al
• [A] WO 2014037119 A1 20140313 - GIESECKE & DEVRIENT GMBH [DE]
• [A] US 6182962 B1 20010206 - LEUTHOLD KARL [DE]

Cited by
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

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