

Title (en)
SHEET STACKING DEVICE AND IMAGE FORMING APPARATUS INCORPORATING THE SHEET STACKING DEVICE

Title (de)
BLATTSTAPELVORRICHTUNG UND BILDERZEUGUNGSVORRICHTUNG MIT DER BLATTSTAPELVORRICHTUNG

Title (fr)
DISPOSITIF D'EMPILEMENT DE FEUILLES ET APPAREIL DE FORMATION D'IMAGE INCORPORANT LE DISPOSITIF D'EMPILEMENT DE FEUILLES

Publication
EP 4112514 A1 20230104 (EN)

Application
EP 22180975 A 20220624

Priority
JP 2021107740 A 20210629

Abstract (en)
A sheet stacking device (15) includes a sheet stacker (104), an image capturing device (110, 120), and a processing device (80). The sheet stacker (104) stacks a sheet (P). The image capturing device (110) captures an image of a whole face of the sheet (P) stacked in the sheet stacker (104). The processing device (80) detects information of the sheet (P) stacked in the sheet stacker (104) based on image data of the image captured by the image capturing device (110, 120).

IPC 8 full level
B65H 1/04 (2006.01); **B65H 1/26** (2006.01); **B65H 7/02** (2006.01); **B65H 7/04** (2006.01); **B65H 7/14** (2006.01)

CPC (source: EP US)
B65H 1/04 (2013.01 - EP); **B65H 1/266** (2013.01 - EP); **B65H 7/02** (2013.01 - EP); **B65H 7/04** (2013.01 - EP); **B65H 7/14** (2013.01 - EP); **B65H 43/06** (2013.01 - US); **B65H 43/08** (2013.01 - US); **B65H 2405/14** (2013.01 - EP); **B65H 2511/10** (2013.01 - EP); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/30** (2013.01 - EP); **B65H 2511/413** (2013.01 - EP); **B65H 2511/515** (2013.01 - EP); **B65H 2553/40** (2013.01 - US); **B65H 2553/42** (2013.01 - EP); **B65H 2801/06** (2013.01 - EP)

Citation (applicant)

- JP 2006188357 A 20060720 - RICOH KK
- JP 4324562 B2 20090902

Citation (search report)

- [X] JP 2005041678 A 20050217 - FUJI XEROX CO LTD
- [X] JP 2020083499 A 20200604 - RICOH CO LTD
- [A] US 9944481 B2 20180417 - GREEN JONATHAN [GB]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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EP 22180975 A 20220624; JP 2021107740 A 20210629; US 202217847175 A 20220623