

Title (en)

Sheet supplying device and image forming apparatus

Title (de)

Blattzuführungsvorrichtung und Bilderzeugungsvorrichtung

Title (fr)

Dispositif d'alimentation de feuille et appareil de formation d'image

Publication

**EP 1975735 B1 20160525 (EN)**

Application

**EP 08250212 A 20080116**

Priority

JP 2007083975 A 20070328

Abstract (en)

[origin: EP1975735A1] A sheet supplying device (LT) which supplies a sheet (P), including: a sheet supplying tray (31) which stacks a bundle of sheets; a first air blowing section (40) which blows air against a side of the bundle of sheets stacked on the sheet supplying tray (31); a second air blowing section (50) which blows air from downstream of the bundle of sheets in a sheet conveyance direction, onto a leading section of the sheets; a vacuum conveyance section (60) which vacuums an uppermost sheet of the bundle of sheets and conveys the sheets one by one; a shielding member (45) which shields air blown from the first air blowing section (40); a vacuum detection sensor (PS1) which detects that a sheet has been vacuumed by the vacuum conveyance section (60); and a control section which controls the shielding member (45) to open so that air generated by the first air blowing section (40) is blown to the bundle of sheets.

IPC 8 full level

**G03G 15/00** (2006.01)

CPC (source: EP US)

**B65H 3/128** (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **G03G 15/6511** (2013.01 - EP US); **B65H 2406/41** (2013.01 - EP US); **G03G 2215/004** (2013.01 - EP US)

Citation (examination)

- JP 2004284783 A 20041014 - FUJI XEROX CO LTD
- JP 2001031266 A 20010206 - KYOCERA MITA CORP

Cited by

US8186668B2; US8800753B2; US9409717B2; EP2385007A2; WO2012107217A2; US9079733B2; EP2960191A1

Designated contracting state (EPC)

DE FR GB

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