

Title (en)

Paper sheet pickup device and paper sheet processing apparatus

Title (de)

Vorrichtung zum Aufnehmen von Papierbogen und Vorrichtung zur Verarbeitung von Papierbogen

Title (fr)

Dispositif de saisie de feuille de papier et appareil de traitement de feuille de papier

Publication

EP 2781478 A3 20141224 (EN)

Application

EP 14156328 A 20140224

Priority

JP 2013058580 A 20130321

Abstract (en)

[origin: EP2781478A2] According to one embodiment, a paper sheet pickup device includes an input portion (24), pickup mechanism (56), and pickup assist mechanism (30). The pickup mechanism picks up, one by one, the paper sheets supplied to a pickup position. The pickup assist mechanism is arranged upstream of the pickup mechanism in the pickup direction of the paper sheet. The pickup assist mechanism includes a suction belt (64) configured to be arranged to be able to travel in the pickup direction, an air drawing portion (60, 62) configured to suck a paper sheet to the suction belt through the suction belt, and a driving motor (66) configured to drive the suction belt. The pickup assist mechanism sucks a paper sheet to the suction belt to feed it to the pickup position, and while the pickup mechanism picks up the paper sheet, sucks and holds the next paper sheet.

IPC 8 full level

B65H 3/12 (2006.01); **B65H 3/54** (2006.01)

CPC (source: EP US)

B65H 3/124 (2013.01 - EP US); **B65H 3/54** (2013.01 - EP US); **B65H 5/224** (2013.01 - US); **B65H 5/26** (2013.01 - US); **B65H 2406/32** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Citation (search report)

- [X] EP 2325118 A1 20110525 - SICK INC [US]
- [A] EP 0080865 A2 19830608 - XEROX CORP [US]
- [A] NL 8003938 A 19820201 - NEDERLANDEN STAAT

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)

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DOCDB simple family (application)

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