

Title (en)

Sheet supply apparatus for an image forming apparatus

Title (de)

Bogenzuführvorrichtung und Bilderzeugungsvorrichtung

Title (fr)

Dispositif d'alimentation de feuilles et dispositif de formation d'images

Publication

**EP 1394087 A2 20040303 (EN)**

Application

**EP 03255375 A 20030829**

Priority

- KR 20020052225 A 20020831
- KR 20030035170 A 20030531

Abstract (en)

A paper pick-up device of an image forming apparatus has a rack member (521) disposed on a pickup bracket (510) supporting a pickup roller (200) to pick-up a paper sheet (1), and a pinion (522) engaged with rack member (521). The pickup bracket (510) reciprocally moves with according to the paper characteristics set by a printing command, so that the pickup roller (200) moves to one position among at least two positions which are pre-set in accordance with the paper characteristics and picks-up the paper sheet (1). Accordingly, since the paper pick-up device prevents slip, multiple-transferring, and paper jam from occurring, the paper sheet (1) is accurately picked-up and transferred. <IMAGE>

IPC 1-7

**B65H 3/52**; **B65H 3/06**

IPC 8 full level

**B65H 3/06** (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP US)

**B65H 3/0684** (2013.01 - EP US); **B65H 3/56** (2013.01 - EP US); **B65H 2301/423245** (2013.01 - EP US); **B65H 2405/1136** (2013.01 - EP US); **B65H 2511/20** (2013.01 - EP US); **B65H 2511/40** (2013.01 - EP US); **B65H 2515/81** (2013.01 - EP US)

Cited by

DE102007018398A1; CN111948139A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1394087 A2 20040303**; **EP 1394087 A3 20050119**; CN 1235748 C 20060111; CN 1495035 A 20040512; US 2004046309 A1 20040311

DOCDB simple family (application)

**EP 03255375 A 20030829**; CN 03164811 A 20030901; US 64972803 A 20030828