

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