

Title (en)  
Feed device, and image reader and image forming apparatus incorporating the same

Title (de)  
Zufuhrvorrichtung und Bildlesegerät, sowie Bilderzeugungsvorrichtung damit

Title (fr)  
Dispositif d'alimentation et lecteur d'images et appareil de formation d'images l'intégrant

Publication  
**EP 2149523 A3 20110420 (EN)**

Application  
**EP 09166707 A 20090729**

Priority  
JP 2008196268 A 20080730

Abstract (en)  
[origin: EP2149523A2] A feed device (90A) feeds a sheet of a recording medium, and includes a body, a support shaft (60), and a pickup mechanism (80A). The pickup mechanism (80A) contacts and picks up the sheet, and includes a swingable arm (61) and a pickup unit (10A). The swingable arm (61) is rotatably mounted on a support shaft (60) provided in the body of the feed device (90A) and includes a fulcrum shaft (61a). The pickup unit (10A) is rotatably attached to the fulcrum shaft (61a) of the swingable arm (61), and includes an endless elastic belt (65), a first pulley (62), a supporter (64), and a second pulley (63).

IPC 8 full level  
**B65H 3/04** (2006.01); **B65H 3/06** (2006.01)

CPC (source: EP US)  
**B65H 3/047** (2013.01 - EP US); **B65H 3/0684** (2013.01 - EP US); **B65H 2402/31** (2013.01 - EP US); **B65H 2404/222** (2013.01 - EP US); **B65H 2404/25** (2013.01 - EP US)

Citation (search report)

- [A] US 2008012201 A1 20080117 - NAKASHIMA AKIRA [JP], et al
- [A] JP H08231072 A 19960910 - GLORY KOGYO KK
- [A] JP H06316343 A 19941115 - RICOH KK
- [A] JP 2004026322 A 20040129 - CANON KK
- [A] US 5219154 A 19930615 - FUKUBE NORIAKI [JP], et al
- [A] GB 1426844 A 19760303 - FUJI XEROX CO LTD

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CN105128520A

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 09166707 A 20090729**; AT 09166707 T 20090729; CN 200910159666 A 20090729; JP 2009177476 A 20090730; US 45898109 A 20090729