

Title (en)

Paper sheet break detection apparatus

Title (de)

Vorrichtung zur Erkennung von Papierblattrissen

Title (fr)

Appareil de détection de rupture d'une feuille de papier

Publication

EP 1785950 A1 20070516 (EN)

Application

EP 06021546 A 20061013

Priority

JP 2005306980 A 20051021

Abstract (en)

A paper sheet break detection unit having a light source (18) which emits light to a card (K) deformed by the pressure of a flange (15f, 15f') of a front-side upper roller (15a, 15a') and a flange (16f, 16f') of a back-side lower roller (16a, 16a'), a control unit which judges that a card (K) includes a break, based on the reception of the light by a light-receiving sensor (19), and a moving mechanism which moves the flange (15f, 15f') of the upper roller (15a, 15a') and the flanges (16f, 16f') of the lower roller (16a, 16a') along a conveying surface in a direction orthogonal to a direction of conveying a card K, by moving the upper roller (15a, 15a') and lower roller (16a, 16a').

IPC 8 full level

G07D 7/00 (2016.01); **G07D 7/12** (2016.01); **G07D 7/181** (2016.01); **G07D 7/182** (2016.01)

CPC (source: EP US)

G07D 7/185 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 06021546 A 20061013; CN 200610135664 A 20061020; JP 2005306980 A 20051021; US 58085206 A 20061016