

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)

AL BA HR MK YU

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