

Title (en)

PAPER SHEET DETECTION DEVICE, PAPER SHEET PROCESSING APPARATUS, AND PAPER SHEET DETECTION METHOD

Title (de)

PAPIERBOGENNACHWEISVORRICHTUNG, PAPIERBOGENVERARBEITUNGSVORRICHTUNG UND PAPIERBOGENNACHWEISVERFAHREN

Title (fr)

DISPOSITIF DE DÉTECTION DE FEUILLES DE PAPIER, APPAREIL DE TRAITEMENT DE FEUILLES DE PAPIER ET PROCÉDÉ DE DÉTECTION DE FEUILLES DE PAPIER

Publication

EP 3598401 B1 20220112 (EN)

Application

EP 17900922 A 20170315

Priority

JP 2017010442 W 20170315

Abstract (en)

[origin: EP3598401A1] The present invention provides a sheet detection device, a sheet handling device, and a sheet detection method capable of improving the precision of detecting at least one of the external shape or the presence or absence of a sheet having a transparent portion. The sheet detection device of the present invention includes a first image collection unit configured to collect reflection image data of a sheet under transport on a transport path, a second image collection unit configured to collect transmission image data of the sheet under transport on the transport path, and a sheet detector configured to detect at least one of the external shape or the presence or absence of the sheet based on the reflection image data and the transmission image data.

IPC 8 full level

G07D 7/12 (2016.01); **G07D 7/121** (2016.01); **G07D 7/162** (2016.01); **G07D 7/20** (2016.01); **G07D 11/22** (2019.01)

CPC (source: EP)

G07D 7/12 (2013.01); **G07D 7/121** (2013.01); **G07D 7/162** (2013.01); **G07D 7/20** (2013.01); **G07D 11/22** (2018.12)

Cited by

WO2022189038A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3598401 A1 20200122; **EP 3598401 A4 20201202**; **EP 3598401 B1 20220112**; AU 2017403990 A1 20191031; WO 2018167876 A1 20180920

DOCDB simple family (application)

EP 17900922 A 20170315; AU 2017403990 A 20170315; JP 2017010442 W 20170315