

Title (en)

PAPER SHEET CONTAMINATION ASSESSMENT DEVICE AND PAPER SHEET CONTAMINATION ASSESSMENT METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BEURTEILUNG DER KONTAMINATION VON PAPIERBLÄTTERN

Title (fr)

DISPOSITIF D'ÉVALUATION DE SALISSURE DE FEUILLE DE PAPIER ET PROCÉDÉ D'ÉVALUATION DE SALISSURE DE FEUILLE DE PAPIER

Publication

**EP 3726486 A1 20201021 (EN)**

Application

**EP 17934505 A 20171215**

Priority

JP 2017045123 W 20171215

Abstract (en)

In order to determine existence of a color stain over a wide area on a sheet, a sheet stain determination apparatus is provided with: an image acquisition unit configured to acquire an image of a sheet; a memory configured to store therein reference data for specifying color change of the sheet due to aging; and a determination unit configured to, based on the image of the sheet and the reference data, detect a sheet whose color has changed over a region of a predetermined area or more from an original color after printing of the sheet, and determine whether the detected sheet is a sheet whose color has changed due to aging or a color-stained sheet whose color has changed due to a color stain.

IPC 8 full level

**G07D 7/187** (2016.01)

CPC (source: EP)

**G07D 7/12** (2013.01); **G07D 7/187** (2013.01); **G07D 7/2016** (2013.01); **G07D 7/206** (2017.05)

Citation (search report)

- [X1] US 8588477 B2 20131119 - HOLL NORBERT [DE], et al
- [X1] US 2012045112 A1 20120223 - LUNDBLAD LEIF J I [SE], et al
- [A] EP 2557523 A1 20130213 - OBSHHESTVO S OGRANICHENNOJ OTVETSTVENNOST JU KB DORS OOO KB DORS [RU]
- See also references of WO 2019116542A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3726486 A1 20201021**; **EP 3726486 A4 20210804**; JP 6878623 B2 20210526; JP WO2019116542 A1 20201203; WO 2019116542 A1 20190620

DOCDB simple family (application)

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