

Title (en)
AN APPARATUS AND A METHOD FOR MAINTAINING SURFACE SMOOTHNESS OF A DOCUMENT DURING HIGH SPEED PROCESSING

Title (de)
VORRICHTUNG UND VERFAHREN ZUR AUFRECHTERHALTUNG DER OBERFLÄCHENGLÄTTE EINES DOKUMENTS WÄHREND DER HOCHGESCHWINDIGKEITSVERARBEITUNG

Title (fr)
APPAREIL ET PROCÉDÉ PERMETTANT DE MAINTENIR LE LISSÉ DE SURFACE D'UN DOCUMENT PENDANT UN TRAITEMENT À GRANDE VITESSE

Publication
EP 3154033 A1 20170412 (EN)

Application
EP 15189147 A 20151009

Priority
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Abstract (en)
The invention relates to an apparatus (100) for a document sorting machine, in particular a banknote sorting machine, comprising: an inspecting plate (1) of a sensor unit and a conveyor belt-free and/or roller-free gap, the belt-free and/or roller free gap being configured to accommodate the inspecting plate (1); the length of the gap being substantially shorter than the length of the document, the apparatus (100) further comprising at least one hollow air guide between an outlet of a valve and an outlet of the air guide at an end of the air guide opposite to the outlet of the valve for blowing air on a document moving along the inspecting plate (1), wherein the cross-sectional area of the air guide remains either constant or increases between the outlet of the valve towards and until the outlet of the air guide including the cross-sectional area of the outlet of the air guide. The invention also relates to a document sorting machine and methods.

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G07D 11/10 (2018.12); **G07D 11/16** (2018.12)

Citation (applicant)
EP 2081862 A2 20090729 - RU HOLDINGS PLC DE [US]

Citation (search report)
• [I] US 2012068399 A1 20120322 - HORIUCHI HARUHIKO [JP]
• [A] US 2010032351 A1 20100211 - SCHMIDT ALFRED [DE]
• [A] DE 102011109400 A1 20130207 - GIESECKE & DEVRIENT GMBH [DE]

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