

Title (en)

AN APPARATUS FOR MAINTAINING SURFACE SMOOTHNESS OF A DOCUMENT DURING HIGH SPEED PROCESSING

Title (de)

VORRICHTUNG ZUR AUFRECHTERHALTUNG DER OBERFLÄCHENGLÄTTE EINES DOKUMENTS WÄHREND DER HOCHGESCHWINDIGKEITSVERARBEITUNG

Title (fr)

APPAREIL PERMETTANT DE MAINTENIR LE LISSÉ DE SURFACE D'UN DOCUMENT PENDANT UN TRAITEMENT À GRANDE VITESSE

Publication

**EP 3104342 B1 20200527 (EN)**

Application

**EP 15171743 A 20150611**

Priority

EP 15171743 A 20150611

Abstract (en)

[origin: EP3104342A1] The invention relates to an apparatus for a document sorting machine, in particular a banknote sorting machine. The apparatus (100) comprises: a first suction block (2); a second suction block (3); a first conveyor unit (50) for moving the document along a document guiding surface of the first suction block (2) and a second conveyor unit (51) for moving the document along a document guiding surface of the second suction block (3), the first suction block (2) and the first conveyor unit (50) and the second suction block (3) and the second conveyor unit (51) being arranged on opposite sides of a conveyor belt-free gap, the belt-free gap being configured to accommodate an inspecting plate (1) of a sensor unit; wherein the length of the gap is substantially shorter than the length of the document. The invention also relates to a document sorting machine and methods.

IPC 8 full level

**G07D 7/00** (2016.01); **B65H 5/02** (2006.01); **B65H 5/22** (2006.01); **B65H 5/38** (2006.01); **B65H 29/12** (2006.01); **G07D 11/16** (2019.01)

CPC (source: EP US)

**B65H 5/023** (2013.01 - EP); **B65H 5/38** (2013.01 - EP); **B65H 29/12** (2013.01 - EP); **G07D 7/121** (2013.01 - EP US); **G07D 7/181** (2017.04 - EP US); **G07D 7/187** (2013.01 - EP US); **G07D 11/16** (2018.12 - EP); **B65H 2301/4474** (2013.01 - EP); **B65H 2406/32** (2013.01 - EP); **B65H 2406/351** (2013.01 - EP); **B65H 2701/1311** (2013.01 - EP); **B65H 2701/1313** (2013.01 - EP); **B65H 2701/1912** (2013.01 - EP)

Cited by

CN109345689A; CN112061855A; CN112824264A

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 3104342 A1 20161214; EP 3104342 B1 20200527**

DOCDB simple family (application)

**EP 15171743 A 20150611**