

Title (en)  
DEVICE AND METHOD FOR SEPARATING VALUE DOCUMENTS, IN PARTICULAR BANKNOTES, AND VALUE DOCUMENT PROCESSING SYSTEM

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM VEREINZELN VON WERTDOKUMENTEN, INSBESONDERE BANKNOTEN, SOWIE WERTDOKUMENTBEARBEITUNGSSYSTEM

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE SÉPARATION DE DOCUMENTS DE VALEUR, EN PARTICULIER DE BILLETS DE BANQUE, ET SYSTÈME DE TRAITEMENT DE DOCUMENTS DE VALEUR

Publication  
**EP 3909030 B1 20240710 (DE)**

Application  
**EP 19835233 A 20191220**

Priority  
• DE 102019000085 A 20190107  
• EP 2019000356 W 20191220

Abstract (en)  
[origin: WO2020143895A1] The invention relates to a device (5) and a corresponding method for separating security documents, particularly bank notes, having a feeding device (7), which is designed to feed a topmost security document (2) of a stack (3) of security documents to a withdrawal device (8), which is designed to withdraw the security document (2) from the stack (3); a conveying device (4, 6), which is designed to receive the stack (3) and to convey it relative to the feeding device (7); at least one distance sensor (16, 17), which is designed to detect at least one distance (d, d') of the topmost security document (2) of the stack (3) received by the conveying device (4, 6) relative to the feeding device (7) and to generate at least one corresponding distance sensor signal; and a control device (9), which is designed to control the conveying of the stack (3) relative to the feeding device (7) and/or the position of the feeding device (7) relative to the stack (3), particularly relative to the topmost security document (3) of the stack (3), based on the at least one distance sensor signal. The invention furthermore relates to a security document processing system having such a device (5).

IPC 8 full level  
**G07D 11/165** (2019.01); **B65H 1/14** (2006.01)

CPC (source: EP US)  
**B65H 1/14** (2013.01 - EP US); **B65H 1/18** (2013.01 - EP US); **B65H 3/14** (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **G07D 11/165** (2019.01 - EP US); **G07D 11/50** (2019.01 - US); **B65H 2406/351** (2013.01 - EP US); **B65H 2406/365** (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/214** (2013.01 - EP US); **B65H 2553/42** (2013.01 - EP US)

C-Set (source: EP)  
**B65H 2511/214** + **B65H 2220/02** + **B65H 2220/11**

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)  
**DE 102019000085 A1 20200709**; CN 113412504 A 20210917; EP 3909030 A1 20211117; EP 3909030 B1 20240710; US 2022084346 A1 20220317; WO 2020143895 A1 20200716

DOCDB simple family (application)  
**DE 102019000085 A 20190107**; CN 201980091371 A 20191220; EP 19835233 A 20191220; EP 2019000356 W 20191220; US 201917421105 A 20191220