Title (en)
AUTOMATIC BANKNOTE HANDLING SYSTEM

Title (de)
AUTOMATISCHES BANKNOTENHANDHABUNGSSYSTEM

Title (fr)
SYSTÈME AUTOMATIQUE DE MANIPULATION DE BILLETS DE BANQUE

Publication
EP 3798998 A4 20220309 (EN)

Application
EP 19807704 A 20190416

Priority
- JP 2018097802 A 20180522
- JP 2019016240 W 20190416

Abstract (en)
[origin: EP3798998A1] An automatic banknote handling system includes a transporter (200) that transports a banknote storage container (10) for storing banknotes, a first arm (300) that unlocks the banknote storage container (10) and opens a lid (11) of the banknote storage container (10), a banknote aligner (500) that aligns the banknotes, a banknote sorter (600) that sorts the banknotes placed in an entrance portion by denominations, a second arm (400) that removes the banknotes stored in the banknote storage container (10), places the banknotes on the banknote aligner (500), and places the aligned banknotes in the entrance portion of the banknote sorter (600), a banknote strapper (800) that straps the banknotes, and a third arm (700) that passes a predetermined number of banknotes sorted by denominations to the banknote strapper (800), and removes a strapped bundle of banknotes from the banknote strapper (800) and places the bundle at a predetermined position.

IPC 8 full level
G07D 11/00 (2019.01); **G07D 11/20** (2019.01)

CPC (source: CN EP)
G07D 11/16 (2018.12 - CN EP); **G07D 11/17** (2018.12 - CN EP); **G07D 11/20** (2018.12 - CN EP); **G07D 11/40** (2018.12 - CN EP)

Citation (search report)
- [I] DE 102012022922 A1 20140528 - GIESECKE & DEVRIENT GMBH [DE]
- [AD] JP 2016031619 A 20160307 - GLORY KOGYO KK
- [A] US 2004003980 A1 20040108 - HALLOWELL CURTIS W [US], et al
- See references of WO 2019225223A1

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 3798998 A1 20210331; **EP 3798998 A4 20220309**; AU 2019273161 A1 20200730; AU 2019273161 B2 20210211; CA 3088848 A1 20191128; CA 3088848 C 20220809; CN 111602182 A 20200828; CN 111602182 B 20221021; CN 115394006 A 20221125; JP 2019204203 A 20191128; JP 6617314 B2 20191211; WO 2019225223 A1 20191128

DOCDB simple family (application)
EP 19807704 A 20190416; AU 2019273161 A 20190416; CA 3088848 A 20190416; CN 201980008516 A 20190416; CN 202211184936 A 20190416; JP 2018097802 A 20180522; JP 2019016240 W 20190416