

Title (en)
ARCED-PASSAGE TRANSFER APPARATUS

Title (de)
ÜBERTRAGUNGSVORRICHTUNG MIT BOGENFÖRMIGEM DURCHGANG

Title (fr)
APPAREIL DE TRANSFERT À PASSAGE EN ARC DE CERCLE

Publication
EP 2799376 A1 20141105 (EN)

Application
EP 12862435 A 20121029

Priority
• CN 201110450325 A 20111228
• CN 2012083644 W 20121029

Abstract (en)
An arced-passage transfer apparatus (3). Same is arranged on a transfer passage between a banknote depositing module (34), a banknote dispensing module (36), and a banknote bundling module (38) of a financial self-service device (1) having deposit, withdraw, and bundling features, and comprises a large driving wheel (701), several flexible rollers (702), and a passage guide plate (703). The large driving wheel (701) comprises at least one H-shaped wheel (7011) and at least one rubber wheel (7012), where the H-shaped wheel (7011) and the rubber wheel (7012) are arranged on a same shaft. The flexible rollers (702) floatingly press on the rubber wheel (7012), and rotate in coordination with the rubber wheel (7012) to provide a driving force for transferring banknotes. The passage guide plate (703) is used for fixing the flexible rollers (702) to press on the rubber wheel (7012); also, the passage guide plate (703) and the H-shaped wheel (7011) constitute an arced passage for transferring the banknotes. As such, the arced-passage transfer apparatus reduces the number of parts and components, reduces costs, increases the reliability of banknote transfer, and reduces drive load.

IPC 8 full level
B65H 5/06 (2006.01); **B65H 5/36** (2006.01); **B65H 43/00** (2006.01)

CPC (source: EP US)
B65H 5/06 (2013.01 - US); **B65H 5/062** (2013.01 - EP US); **B65H 5/36** (2013.01 - EP US); **B65H 2404/133** (2013.01 - EP US); **B65H 2404/1531** (2013.01 - EP US); **B65H 2404/54** (2013.01 - EP US); **B65H 2404/612** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

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)
US 2014251752 A1 20140911; AU 2012362089 A1 20140508; AU 2012362089 B2 20151001; CL 2014001269 A1 20140808; CN 102602718 A 20120725; CN 102602718 B 20151125; EP 2799376 A1 20141105; EP 2799376 A4 20170301; IN 3481CHN2014 A 20151016; WO 2013097538 A1 20130704

DOCDB simple family (application)
US 201214353525 A 20121029; AU 2012362089 A 20121029; CL 2014001269 A 20140514; CN 201110450325 A 20111228; CN 2012083644 W 20121029; EP 12862435 A 20121029; IN 3481CHN2014 A 20140508