

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 A4 20170301 (EN)

Application
EP 12862435 A 20121029

Priority
• CN 201110450325 A 20111228
• CN 2012083644 W 20121029

Abstract (en)
[origin: US2014251752A1] An arced-passage transfer apparatus. Same is arranged on a transfer passage between a banknote depositing module, a banknote dispensing module, and a banknote bundling module of a financial self-service device having deposit, withdraw, and bundling features, and comprises a large driving wheel, several flexible rollers, and a passage guide plate. The large driving wheel comprises at least one H-shaped wheel and at least one rubber wheel, where the H-shaped wheel and the rubber wheel are arranged on a same shaft. The flexible rollers floatingly press on the rubber wheel, and rotate in coordination with the rubber wheel to provide a driving force for transferring banknotes. The passage guide plate is used for fixing the flexible rollers to press on the rubber wheel; also, the passage guide plate and the H-shaped wheel constitute an arced passage for transferring the banknotes.

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

CPC (source: EP US)
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Citation (search report)
• [X] US 2011198192 A1 20110818 - TOGIYA HAJIME [JP], et al
• [X] EP 1850294 A1 20071031 - NIPPON KINSEN KIKAI KK [JP]
• [A] EP 1873726 A1 20080102 - GLORY KOGYO KK [JP]
• See references of WO 2013097538A1

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