

Title (en)

METHOD FOR ISSUING AND RETURNING AN ITEM FOR LOAN

Title (de)

VERFAHREN ZUR AUSGABE UND RÜCKGABE EINES ENTLEIHUNGSGEGENSTANDES

Title (fr)

PROCÉDÉ DE DÉLIVRANCE ET DE RESTITUTION D'UN OBJET EMPRUNTÉ

Publication

EP 3491602 A1 20190605 (DE)

Application

EP 17745175 A 20170727

Priority

- DE 102016114050 A 20160729
- EP 2017069004 W 20170727

Abstract (en)

[origin: WO2018019938A1] A method for issuing and returning an item for loan, particularly a manually movable transport cart, wherein a blocking element allows removal and use of the item for loan by means of a release and, after a return, prevents this again, wherein a mobile communication means identifies itself to the blocking element by a wireless technique, the mobile communication means is associated with the item for loan when the item for loan is released, and wherein this association is cancelled again when the item for loan is returned; and an issuing and return system for performing the method according to one of the preceding claims, wherein the blocking element is attached to the item for loan, in particular is integrated in the item for loan, wherein the blocking element has a communication module for wireless communication with the mobile communication means of a customer, wherein the mobile communication means has an identification feature, particularly a feature that personalises the customer and by means of which it is possible to set up an association between the mobile communication means and the item for loan.

IPC 8 full level

G06Q 20/32 (2012.01); **G07F 7/06** (2006.01)

CPC (source: EP KR US)

G06Q 20/3278 (2013.01 - EP KR); **G06Q 30/0207** (2013.01 - KR); **G06Q 30/0645** (2013.01 - KR US); **G07F 7/0672** (2013.01 - EP KR US)

Citation (examination)

- WO 2016057610 A1 20160414 - WAL MART STORES INC [US]
- EP 2608163 A1 20130626 - GEMALTO SA [FR]
- US 2008015886 A1 20080117 - KIM YONG-SUN [KR], et al
- See also references of WO 2018019938A1

Cited by

DE102020106211A1; WO2021176105A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018019938 A1 20180201; AU 2017304617 A1 20190131; AU 2017304617 B2 20200123; CA 3032027 A1 20180201; CN 109478285 A 20190315; DE 102016114050 A1 20180201; EP 3491602 A1 20190605; KR 102255325 B1 20210525; KR 20190035723 A 20190403; US 11972479 B2 20240430; US 2021287280 A1 20210916

DOCDB simple family (application)

EP 2017069004 W 20170727; AU 2017304617 A 20170727; CA 3032027 A 20170727; CN 201780046686 A 20170727; DE 102016114050 A 20160729; EP 17745175 A 20170727; KR 20197003195 A 20170727; US 201716321703 A 20170727