

Title (en)
AN AUTOMATIC IN-STORE REGISTRATION SYSTEM

Title (de)
AUTOMATISCHES REGISTRIERUNGSSYSTEM IN EINEM GESCHÄFT

Title (fr)
SYSTÈME D'ENREGISTREMENT AUTOMATIQUE EN MAGASIN

Publication
EP 3811315 A4 20220323 (EN)

Application
EP 19821797 A 20190619

Priority
• SE 1850757 A 20180620
• SE 2019050589 W 20190619

Abstract (en)
[origin: WO2019245441A1] A method for automatic registration of an article in a store having at least one article containing area (A-I) and an associated automatic in-store registration system (100) is provided. The method comprises associate an article carrying arrangement (5) with a specific registration account (130), wherein the registration account (130) is associated with a dynamic list of articles, continuously monitor the at least one article containing area (A-I) by means of a sensor arrangement (110), and detect a change in the at least one article containing area (A-I) and, in response to said detected change, identify one or more possible articles causing the change in a first identification step and save said one or more possible articles to a temporary article list. The method further comprises continuously monitor the article carrying arrangement (5) by means of the sensor arrangement (110), receive a first image from the sensor arrangement (110) of at least a portion of a customer's upper extremity being captured when at least a part of the customer's upper extremity is moving across a virtual boundary set at a predetermined distance from the article carrying arrangement (5), determine, based at least in part on the first image, if the first image includes a representation of an article, and if so, identify said article in a second identification step from the article identities currently included in the temporary article list and add the identity of the article which was identified in the second identification to the dynamic list of articles of the registration account (130).

IPC 8 full level
G06Q 20/20 (2012.01); **A47F 9/04** (2006.01); **A47F 10/02** (2006.01); **B62B 5/00** (2006.01); **G06Q 10/08** (2023.01); **G06Q 20/32** (2012.01); **G06Q 20/40** (2012.01); **G07G 1/00** (2006.01)

CPC (source: EP SE)
B62B 5/0096 (2013.01 - SE); **G06Q 10/08** (2013.01 - EP SE); **G06Q 20/20** (2013.01 - SE); **G06Q 20/203** (2013.01 - EP SE); **G06Q 20/208** (2013.01 - EP); **G06Q 20/3224** (2013.01 - EP); **G06Q 20/4014** (2013.01 - EP); **G07G 1/0036** (2013.01 - EP SE); **G07G 1/0081** (2013.01 - EP); **A47F 9/04** (2013.01 - SE); **A47F 2010/025** (2013.01 - EP); **B62B 5/0096** (2013.01 - EP)

Citation (search report)
• [I] US 2017323376 A1 20171109 - GLASER WILLIAM [US], et al
• [I] WO 2017150590 A1 20170908 - SIGNPOST CORP [JP]
• [A] US 2015206188 A1 20150723 - TANIGAWA TORU [JP], et al
• [A] US 2015029339 A1 20150129 - KOBRES ERICK CHRISTIAN [US], et al
• See also references of WO 2019245441A1

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

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