

Title (en)

SYSTEM, APPARATUS AND METHOD OF ITEM LOCATION, LIST CREATION, ROUTING, IMAGING AND DETECTION

Title (de)

SYSTEM, VORRICHTUNG UND VERFAHREN ZUR ARTIKELORTUNG, LISTENERSTELLUNG, LEITWEGLENKUNG, BILDGEBUNG UND DETEKTION

Title (fr)

SYSTÈME, APPAREIL ET PROCÉDÉ DE LOCALISATION D'ARTICLE, CRÉATION DE LISTE, ROUTAGE, IMAGERIE ET DÉTECTION

Publication

EP 3890563 A4 20221005 (EN)

Application

EP 19892768 A 20190904

Priority

- US 201862776671 P 20181207
- US 201962792044 P 20190114
- US 201962794058 P 20190118
- US 201962828153 P 20190402
- US 201962839234 P 20190426
- US 201916458795 A 20190701
- US 2019049460 W 20190904

Abstract (en)

[origin: WO2020117343A1] A system for enabling in store routing of a user generated shopping list using existing store cameras and artificial intelligence and machine learning is provided. The system uses a pixelbuffer comparison of items imaged in real time to compared to a database of machine learned images. The system further provides item recognition and detection through machine learning so as to improve a shoppers experiences. The system and method further includes drone assistance means and radio signal item and biological detection so as to improve accuracy. Other features to improve guidance and accuracy include landmark navigation and masking to improve accuracy of item recognition and detection. The system may be a standalone kiosk.

IPC 8 full level

G06Q 30/06 (2012.01)

CPC (source: EP)

A47F 9/048 (2013.01); **G06Q 10/047** (2013.01); **G06Q 20/208** (2013.01); **G06Q 20/3224** (2013.01); **G06Q 20/40155** (2020.05); **G06Q 30/0633** (2013.01); **G06Q 30/0639** (2013.01); **G07G 1/0063** (2013.01); **A47F 2010/025** (2013.01)

Citation (search report)

- [I] US 2016110786 A1 20160421 - HERRING DEAN FREDERICK [US], et al
- [I] US 2016110703 A1 20160421 - HERRING DEAN FREDERICK [US], et al
- [I] US 2017323376 A1 20171109 - GLASER WILLIAM [US], et al
- [I] US 2018232796 A1 20180816 - GLASER WILLIAM [US], et al
- [IA] US 2015012396 A1 20150108 - PUERINI GIANNA LISE [US], et al
- [IA] US 2015039458 A1 20150205 - REID GREGORIO [PA]
- [A] CSURI C ET AL: "Towards an interactive high visual complexity animation system", COMPUTER GRAPHICS AND INTERACTIVE TECHNIQUES, ACM, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 1 August 1979 (1979-08-01), pages 289 - 299, XP058225813, ISBN: 978-0-89791-004-0, DOI: 10.1145/800249.807458
- See references of WO 2020117343A1

Designated contracting state (EPC)

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