

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 November 2017 (09.11.2017)



(10) International Publication Number
WO 2017/192868 A8

(51) International Patent Classification:

G05D 1/02 (2006.01) **G06N 5/02** (2006.01)
G06F 17/00 (2006.01) **H04N 7/18** (2006.01)

(21) International Application Number:

PCT/US2017/031090

(22) International Filing Date:

04 May 2017 (04.05.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/331,647 04 May 2016 (04.05.2016) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,

(54) Title: DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS

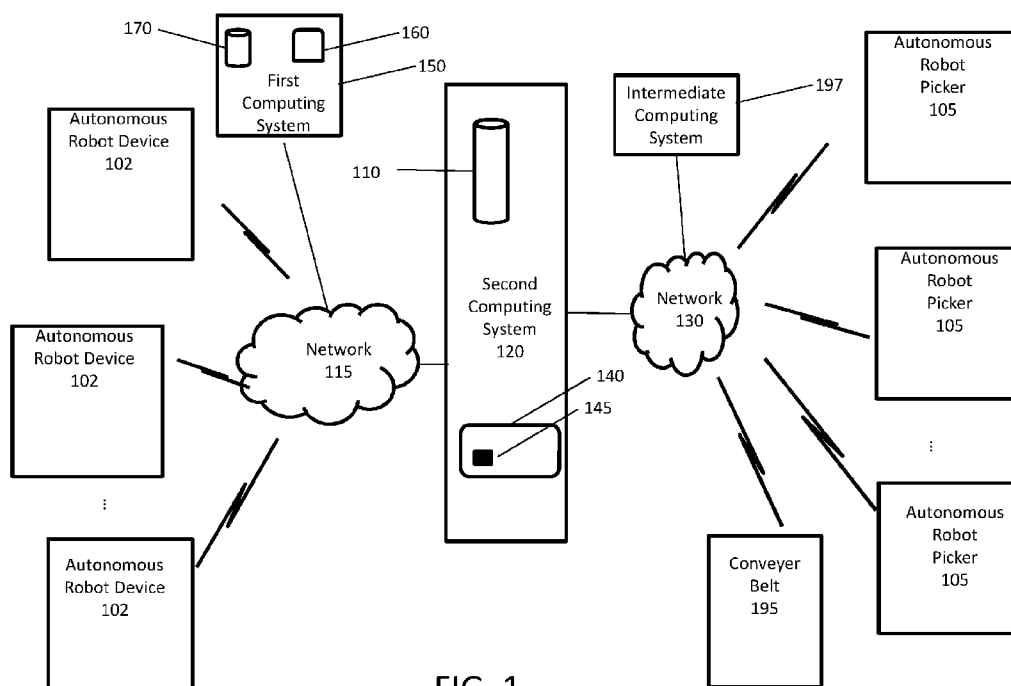


FIG. 1

(57) Abstract: Described in detail herein are systems and methods for detecting absent like physical objects at a first facility and replenishing the like physical objects from the second facility to the first facility. The system includes an autonomous robot device configured to detect absent like physical objects at a first facility and transmit an identifier associated with the like physical objects to a first computing system. The first computing system determines the need for the addition of the like physical objects in the first facility and transmits the data associated with the like physical objects to the second computing system. The second computing system corrects a perpetual inventory error associated with the like physical objects based on the received data and transmits instructions to an autonomous robot picker disposed at a second facility to replenish the like physical objects at the first facility.

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR,
KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
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PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*

(48) Date of publication of this corrected version:

07 December 2017 (07.12.2017)

(15) Information about Correction:

see Notice of 07 December 2017 (07.12.2017)