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(71) Applicant: **WALMART APOLLO, LLC** [US/US]; 702 Southwest 8th Street, Bentonville, AR 72716 (US).

(72) Inventors: **WILKINSON, Bruce W.**; 3808 Brooks Ridge, Rogers, AR 72758 (US). **TOVEY, David G.**; 15504 See Street, Rogers, AR 72756 (US). **BELLAR, Jason**; 10 Bosworth Circle, Bella Vista, AR 72714 (US).

(74) Agent: **BURNS, David R.** et al.; McCarter & English, LLP, 265 Franklin Street, Boston, MA 02110 (US).

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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))*

(54) Title: SYSTEMS AND METHODS FOR OBJECT STORAGE AND RETRIEVAL

(57) Abstract: Described in detail herein is an autonomous object storage and retrieval system. In one embodiment, an object storage and retrieval system includes a computing system hosting a service application and in communication with a database and storage and retrieval apparatuses configured to store and dispense physical objects. Each storage and retrieval apparatus is in communication with the computing system. The computing system can transmit instructions to a first one of the storage and retrieval apparatuses to render the status of the first physical object on the interactive display of the storage and retrieval apparatus.

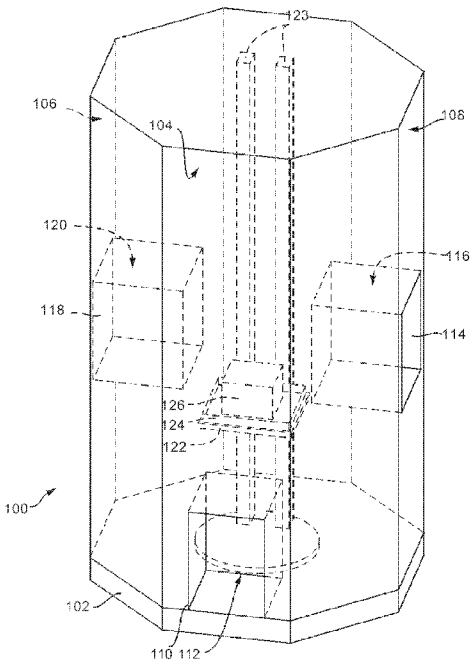


FIG. 1A

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61J 7/04; G06F 12/16; G06K 7/10; G06Q 10/08 (2019.01)

CPC - G06F 3/0601; A61J 7/0463; A61J 7/0481; G06K 7/10297; G07F 11/002; G07F 17/0092 (2019.08)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 700/237; 711/153; 711/165; 711/173 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010/0253190 A1 (LI et al) 07 October 2010 (07.10.2010) entire document	1-22
A	US 2016/0327941 A1 (BBY SOLUTIONS, INC.) 10 November 2016 (10.11.2016) entire document	1-22
A	US 2014/0089085 A1 (WALKER DIGITAL HOLDINGS, LLC) 27 March 2014 (27.03.2014) entire document	1-22
A	US 2003/0065898 A1 (FLAMMA et al) 03 April 2003 (03.04.2003) entire document	1-22
A	US 2018/0174101 A1 (WAL-MART STORES, INC.) 21 June 2018 (21.06.2018) entire document	1-22

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search	Date of mailing of the international search report
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