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(54) **Title:** EXCEPTION DETECTION AND HANDLING IN AUTOMATED OPTICAL CODE READING SYSTEMS

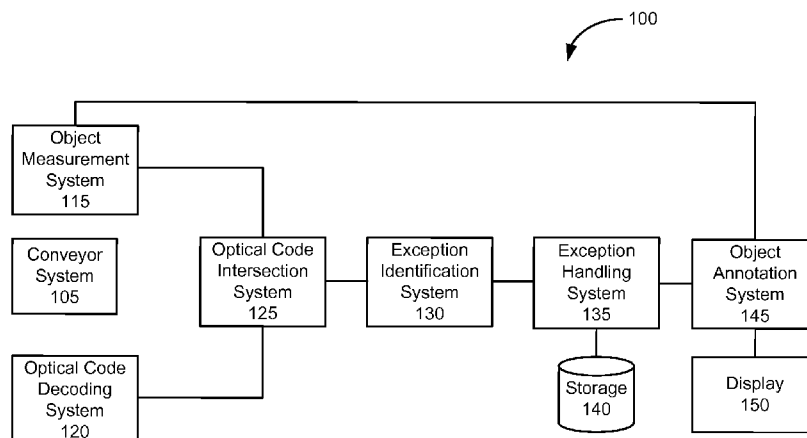


FIG. 1

(57) **Abstract:** An automated system for reading optical codes includes a conveyor system to automatically transport objects and an object measurement system positioned along the conveyor system to measure the transported objects. In one configuration, the object measurement system generates model data representing three-dimensional models of the objects; multiple image capture devices positioned along the conveyor system capture images as the objects are transported to enable an optical code reading system to read optical codes that are captured in the images. An exception identification system associates optical codes with the three-dimensional models to determine whether an exception has occurred.

A. CLASSIFICATION OF SUBJECT MATTER**G06K 7/10(2006.01)i, G06K 9/18(2006.01)i**

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)

G06K 7/10; G06K 17/00; G08B 13/14; G06Q 10/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: optical code, view volume, conveyor, reading, detector

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0163626 A1 (OLMSTEAD BRYAN L.) 01 July 2010 See abstract, paragraph [0029]-[0093] and figure 1.	1-33
A	KR 10-2007-0057780 A (OMNICELL, INC.) 07 June 2007 See abstract, page 3 line 9-15, claims 1-5 and figure 1.	1-33
A	KR 10-2005-0066789 A (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 30 June 2005 See abstract, page 3 line 72 - page 4 line 35, claims 1-4 and figures 2-3.	1-33
A	JP 2001-167225 A (MATSUO HIROBUMI et al.) 22 June 2001 See abstract, claims 1-2 and figure 1.	1-33



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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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