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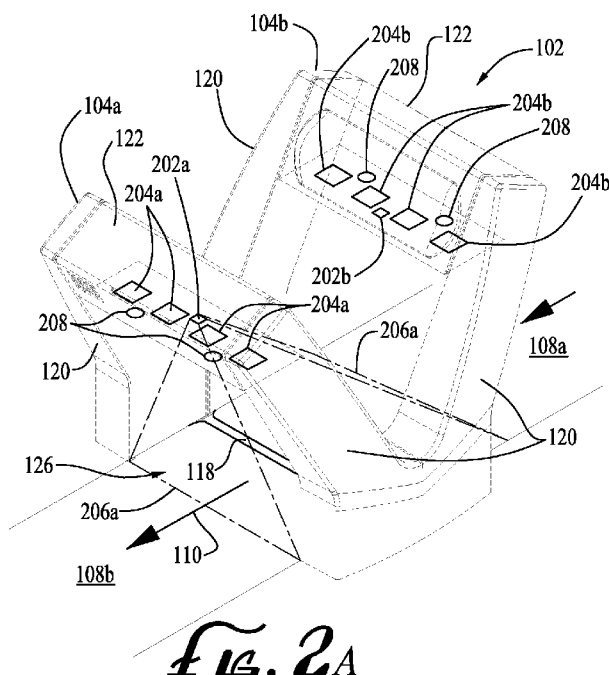
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- (54) Title: SYSTEMS AND METHODS OF CAPTURING SECURITY IMAGES IN AN AUTOMATED DATA READER



(57) Abstract: The present disclosure is directed to systems and methods for detecting and handling exception situations in an automated data reading system. In one configuration, an illumination source is triggered to generate light pulses and a security imager is triggered synchronous with light pulses of the illumination source. The security imager captures security images of items that are transported through an automated data reader, e.g. optical code reader. The captured security images are configured to be displayed for a user or operator to use to identify an exception item. A plurality of decode imagers capture image data that can be used to identify and read an optical code disposed on an item transported through the automated data reader. The decode imagers capture images synchronous with light pulses of the illumination source.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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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 15/00; G06F 153/00; A47F 10/02

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: checkout, code, imager, scan

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 05679941 A (IIZAKA; HITOSHI et al.) 21 October 1997 See column 3, line 29-column 4, line 61; column 6, line 44-column 7, line-35; column 10, lines 23-33; claims 1-12 and figures 2-5.	1,3,4,12,13,16,17 ,21,26 2,5-11,14,15,18-20 ,22-25,27-31
X A	US 05609223 A (IIZAKA; HITOSHI et al.) 11 March 1997 See column 4, lines 1-53; column 5, lines 20-33; column 13, lines 34-36; claims 1-14 and figures 2-16.	1,3,4,12,13,16,17 ,21,26 2,5-11,14,15,18-20 ,22-25,27-31
A	US 05497314 A (NOVAK; JEFFREY M.) 05 March 1996 See column 3, lines 26-63; column 5, lines 38-56; column 8, lines 25-36; claims 1-20 and figures 1-5.	1-31
A	US 7337960 B2 (JIM OSTROWSKI et al.) 04 March 2008 See abstract; column 4, line 15-column 5, line 56; column 10, lines 32-56 and figure 1.	1-31



Further documents are listed in the continuation of Box C.



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