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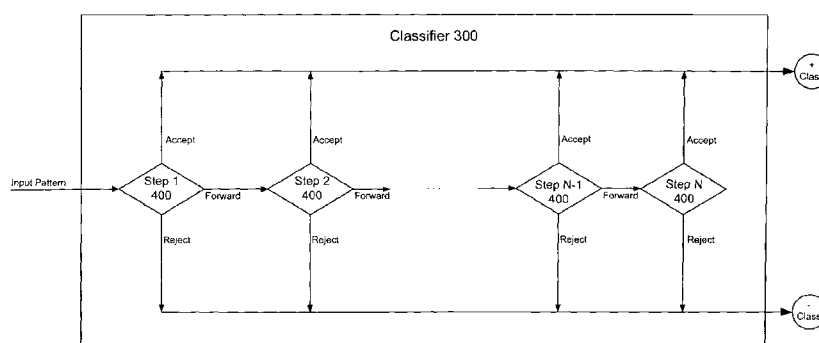


FIG. 4

(57) Abstract: A camera system (100) comprises an image capturing device (102) and an object classification module (210) connected to the image capturing device (102). The image capturing device (102) has a field of view and produces image data representing an image of the field of view. The object classification module (210) is operable to determine whether or not an object in an image is a member of an object class. The object classification module (210) includes N decision steps (400) configured in a cascade configuration, wherein at least one of the N decision steps (400) is operable to (a) accept an object as a member of the object class, (b) reject an object as a member of the object class, and (c) call on a next step (400) to determine whether or not an object is a member of the object class.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/035916**A. CLASSIFICATION OF SUBJECT MATTER*****H04N 7/18(2006.01)i, H04N 5/262(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)

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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 since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal): "object", "classification", "camera", "feature", "detect", "track", "calibration", "feedback"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007/0035622 A1 (KEITH J. HANNA et al.) 15 February 2007. See abstract; paragraphs [0015], [0016]; figure 1; claims 1, 4, 5.	1-60
A	US 6,377,296 B1 (ALEXANDER ZLATSIN et al.) 23 April 2002. See abstract; column 6, line 1 - column 7, line 47; figures 1, 6, 7; claims 1, 4, 5.	1-60
A	US 2005/0073585 A1 (GIL J. ETTINGER et al.) 07 April 2005. See abstract; paragraphs [0034], [0040], [0045]; figure 1; claims 1, 11, 14-16.	1-60



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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15.02.2007

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None

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None