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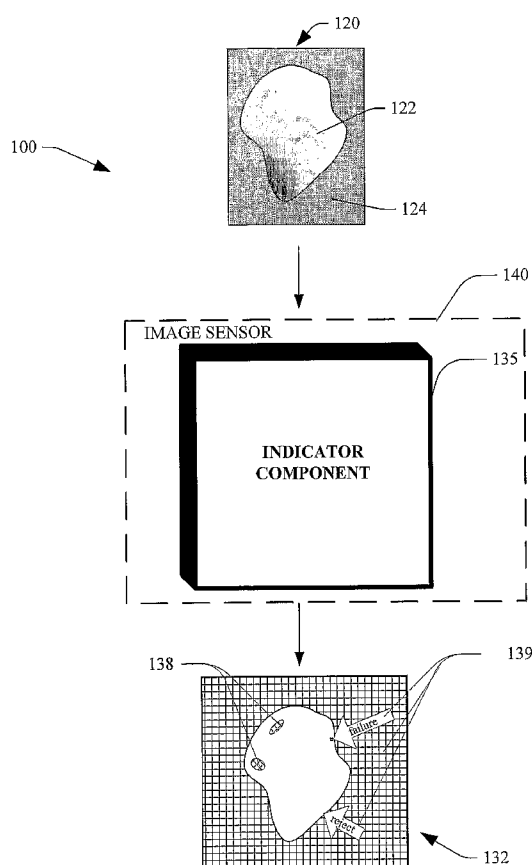
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[Continued on next page]

(54) Title: IMAGE SENSOR ANNOTATION METHOD AND APPARATUS



(57) Abstract: Systems and methodologies that facilitate representation/detection of failed parts by employing an indicator component that annotates and points out a failed portion of a unit on its image taken by an image sensor. The indicator component can include: a boundary definition system, a dilation system and a mixture based analysis system. The annotated digital images can be saved in a memory of the image sensor or an external memory, for a display and presentation of a visual cue to an operator.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H04N 7/18** (2006.01)

USPC: 348/125

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)

U.S. : 348/86, 87, 89, 90, 91, 92, 94, 95, 125, 126, 127, 129, 130, 239

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2002/0009220 A1 (TANAKA) 24 January 2002 (24.01.2002), paragraphs 0041-0073.	1, 4-5, 8-13, 15, 18-19, and 21-22 ----- 2-3, 6-7, 14, 16-17, and 20
Y	US 6,741,755 B1 (BLAKE et al) 25 May 2004 (25.05.2004), column 1, lines 29-48 and column 4, lines 28-42.	2-3 and 14
Y	US 4,758,888 (LAPIDOT) 19 July 1988 (19.07.1988), column 1, lines 13-30 and column 3, lines 32-67.	6 and 16
Y	US 5,146,509 A (HARA et al) 08 September 1992 (08.09.1992), column 1, lines 52-55 and column 4, lines 13-36.	7
Y	US 2002/0051061 A1 (PETERS et al) 02 May 2002 (02.05.2002), abstract and paragraphs 0042-0045.	17 and 20

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☐ See patent family annex.

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