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MACHINE LEARNING ENGINE 140

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Figure 2

(54) Title: FIELD-OF-VIEW CHANGE DETECTION

(57) Abstract: Techniques are disclosed for detecting a field-of-view change for a video feed. These techniques differentiate between a new or changed scene and a temporary variation in the scene to accurately detect field-of-view changes for the video feed. A field-of-view change is detected when the position of a camera providing the video feed changes, the video feed is disconnected, or the camera providing the video feed is obscured. A false-positive field-of-view change is not detected when the scene changes due to a sudden variation in illumination, obstruction of a portion of the camera providing the video feed, blurred images due to an out-of-focus camera, or a transition between bright and dark light when the video feed transitions between color and near infrared capture modes.
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))

(88) Date of publication of the international search report:
28 April 2011
A. CLASSIFICATION OF SUBJECT MATTER

G06T 17/00(2006.01); H04N 13/00(2006.01); G06T 7/00(2006.01)

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)

G06T 17/00; H04N 7/18; H04N 5/78; G11B 27/28; H04N 7/32; G08B 13/196; G06T 7/20; G06K 9/34

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:FIELD-OF-VIEW, BACKGROUND, GRAY, CHANGE, and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>A</td>
<td>JP 05-048995 A (SONY CORP.) 26 February 1993 See abstract, claim1</td>
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<td>KR 10-1998-0025070 A (NEXTLEVEL SYSTEMS INC.) 06 July 1998 See abstract, figure2</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

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Government Complex-Daejeon, 139 Seoensa-ro, Seogu, Daejeon 302-701, Republic of Korea

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Authorized officer

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