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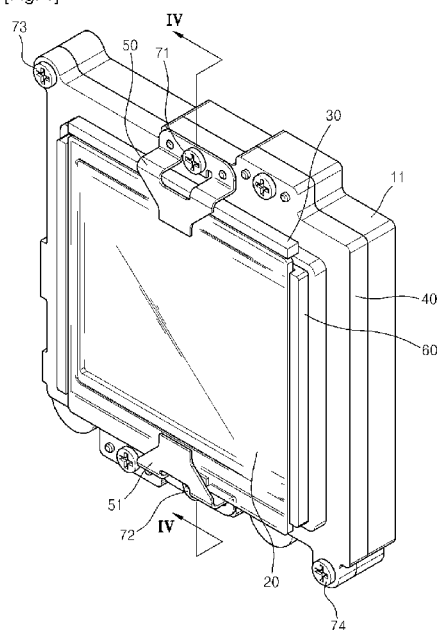
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[Continued on next page]

(54) Title: PHOTOGRAPHING APPARATUS

[Fig. 1]



(57) Abstract: A photographing apparatus includes an imaging device that converts an optical image of an object into an electrical signal; a vibration plate disposed at a front direction of the imaging device; a vibration generator which is mounted on the vibration plate and vibrates the vibration plate; a support frame which is located between the imaging device and the vibration plate, and supports edges of the vibration plate; and a vibration plate pressing unit which is connected in the support frame and includes a part which presses at least an area of the vibration plate.

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A. CLASSIFICATION OF SUBJECT MATTER***H04N 5/225(2006.01)i, G03B 11/00(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)

H04N 5/225; H02N 2/04; G02B 27/64; H04N 5/235; H04N 5/228

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: imaging stabilizer, piezoelectric element, vibration frame, pressing plate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0213236 A1 (CHIOU JIN-CHERN et al.) 27 August 2009 See abstract, column 2, line 32-column 3, line 37; claim 1 and figures 3-6.	1-11
A	US 2009-0002825 A1 (MORITA TETSUYA et al.) 01 January 2009 See abstract, column 5, line 213-column 7, line 238, column 15, line 343; claim 1 and figures 3-10, 49.	1-11
A	KR 10-1999-0055039 A (SAMSUNG ELECTRONICS CO., LTD.) 15 July 1999 See abstract, page 3, line 8-page 4, line 14; claim 1 and figure 2.	1-11
A	KR 10-2008-0085570 A (SAMSUNG TECHWIN CO., LTD.) 24 September 2008 See abstract, page 3, line 24-page 5, line 38; claim 1 and figure 2.	1-11



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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