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(74) Agent: HIDALGO, Espartaco Diaz; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

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(71) Applicant (for all designated States except US): QUALCOMM Incorporated [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LI, Jingqiang [CN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). HUNG, Szepo Robert [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). CHINCHUAN, Andrew Chiu [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

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Declarations under Rule 4.17:

[Continued on next page]

(54) Title: AUTO-FOCUS CALIBRATION FOR IMAGE CAPTURE DEVICE

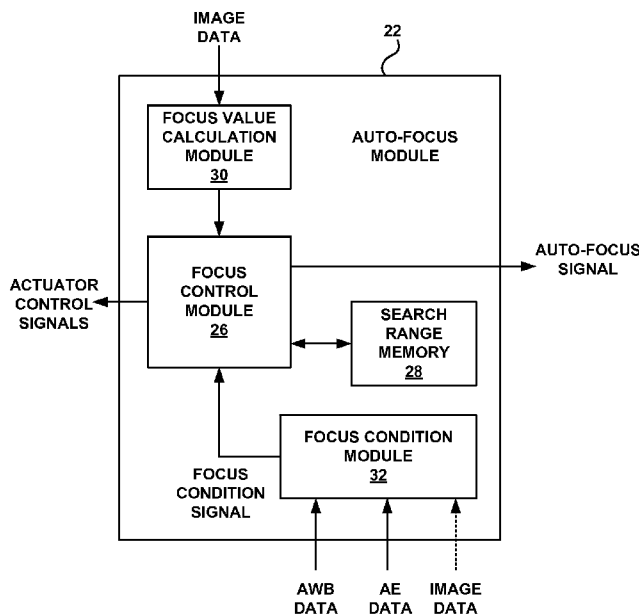


FIG. 2

(57) Abstract: The disclosure relates to techniques for calibration of an auto-focus process in an image capture device. The techniques may involve calibration of a lens actuator used to move a lens within a search range during an auto-focus process. For example, an image capture device may adjust reference positions for the search range based on lens positions selected for different focus conditions. The different focus conditions may include a far focus condition and a near focus condition. The focus conditions may be determined based on a detected environment in which the device is used. Detection of an indoor environment may indicate a likelihood of near object focus, while detection of an outdoor environment may indicate a likelihood of far object focus. An image capture device may detect indoor and outdoor environments based on lighting, exposure, or other conditions.

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
 - *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04N

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 practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/128340 A1 (IKEDA EIICHIRO [JP]) 16 June 2005 (2005-06-16) paragraphs [0008], [0009], [0011] - [0016], [0018] - [0020], [0062] - [0064], [0066], [0074] - [0076], [0078], [0079], [0081], [0094], [0095]; figure 3 -----	1-47

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Oberreich, Claudia

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
US 2005128340 A1	16-06-2005	JP 2005173269 A	30-06-2005