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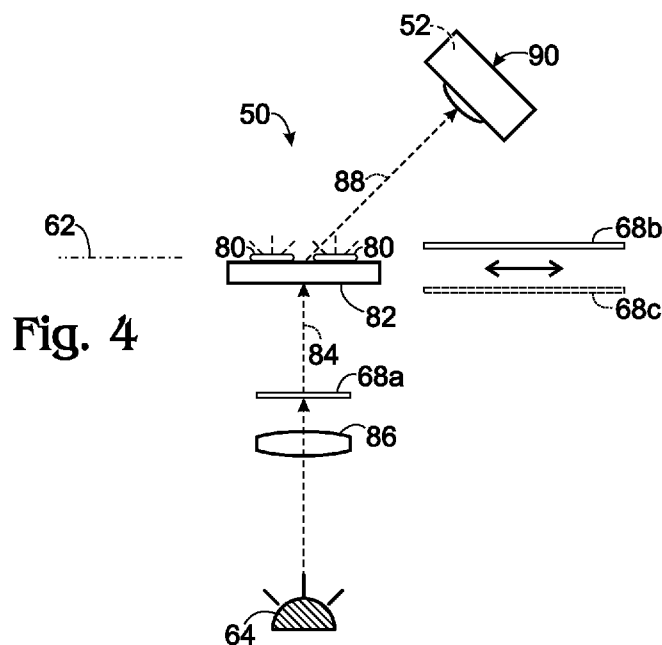
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KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: IMAGING SYSTEM WITH ANCILLARY IMAGE DETECTOR FOR SAMPLE LOCATION



(57) Abstract: Imaging systems and methods using an ancillary image detector for sample location. An exemplary system may comprise a light source to irradiate a sample on an irradiation axis, a first image detector on an optical axis oblique to the irradiation axis, and a stage. The system also may comprise a second image detector disposed on an imaging axis, and a drive mechanism configured to move the stage and the imaging axis relative to one another. The system further may comprise a processor configured to (a) receive an image of the sample detected by the first image detector, (b) determine a physical location for a region of contrast produced by the sample within the image, and (c) send a signal to the drive mechanism based on the physical location, to dispose at least part of the sample in a field of view of the second image detector.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2017/023300**A. CLASSIFICATION OF SUBJECT MATTER****G02B 21/00(2006.01)i, G02B 21/36(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)

G02B 21/00; H04N 5/232; H04N 7/18; G01B 11/24; G03B 13/30; G02B 21/36; G02B 21/24; A61F 9/007; G02B 21/18

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: microscope, imaging system, location imager, content imager and lower magnification

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010-0060729 A1 (WETZEL et al.) 11 March 2010 See paragraphs [0035]-[0048], claim 11 and figure 1.	1-20
Y	US 2011-0115897 A1 (NAJMABADI et al.) 19 May 2011 See paragraphs [0032]-[0044] and figure 2.	1-20
A	JP 2005-234306 A (OLYMPUS CORP.) 02 September 2005 See figure 1.	1-20
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A	EP 1372013 A1 (OLYMPUS OPTICAL CO., LTD.) 17 December 2003 See figure 3.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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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

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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