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(54) Title: HIGH NUMERICAL APERTURE TELEMICROSCOPY APPARATUS

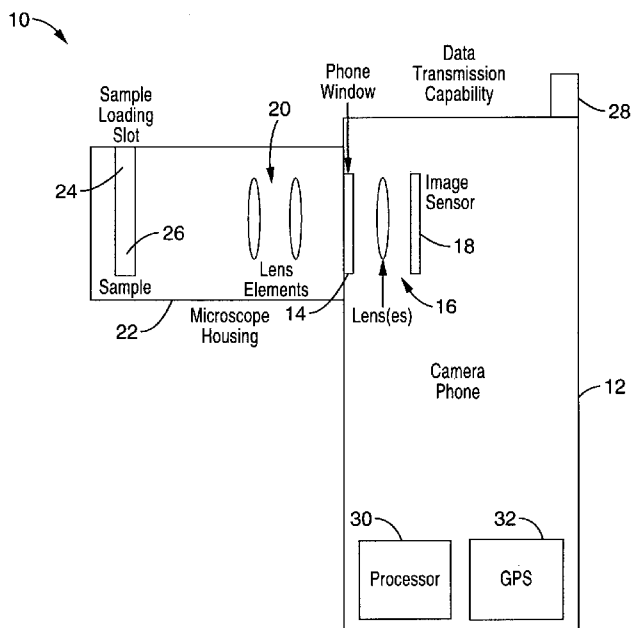


FIG. 1

(57) Abstract: An imaging system consisting of a cell-phone with camera as the detection part of an optical train which includes other components. Optionally, an illumination system to create controlled contrast in the sample. Uses include but are not limited to disease diagnosis, symptom analysis, and post-procedure monitoring, and other applications to humans, animals, and plants.



WO 2009/088930 A3



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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)

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

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Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS (KIPO internal) & keywords: "microscope", "lens", "wireless communication", and "numerical aperture"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JOHN FREAN, Microscopic images transmitted by mobile cameraphone, Transactions of the Royal Society of Tropical Medicine and Hygiene, Volume 101, Issue 10, 30 July 2007, Page 1053 see page 1053	1-29
A	MICHAEL BLAIVAS MD, RDMS, et al. Ultrasound image transmission via camera phones for overreading, The American Journal of Emergency Medicine, Volume 23, Issue 4, 20 July 2005, Pages 433-438 see pages 435-437	1-29
A	US 6950241 B1 (CHEN LIANG) 27 September 2005 see columns 1-5	1-29
A	US 6606413 B1 (JACK A. ZEINEH) 12 August 2003 see columns 6-8, and figures 1-2	1-29
A	US 2003-0103262 A1 (MICHAEL DESCOUR, et al.) 5 June 2003 see pages 1-3	1-29

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

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INTERNATIONAL SEARCH REPORT

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