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(54) Title: DUAL APERTURE ZOOM DIGITAL CAMERA

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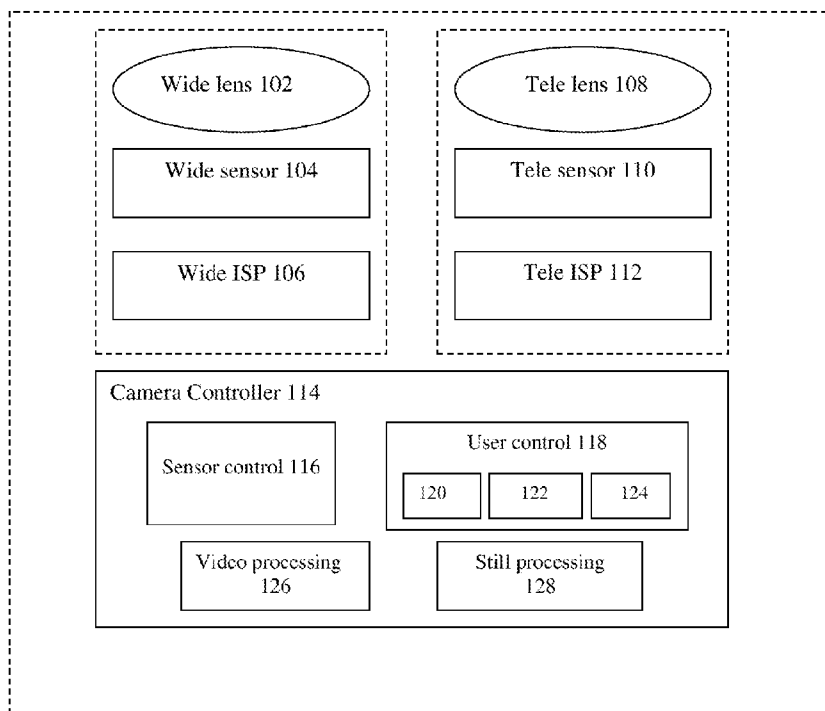


FIG. 1A

(57) Abstract: A dual-aperture zoom digital camera operable in both still and video modes. The camera includes Wide and Tele imaging sections with respective lens/sensor combinations and image signal processors and a camera controller operatively coupled to the Wide and Tele imaging sections. The Wide and Tele imaging sections provide respective image data. The controller is configured to combine in still mode at least some of the Wide and Tele image data to provide a fused output image from a particular point of view.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04N 5/225 (2014.01)

CPC - H04N 13/025 (2014.09)

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)

IPC(8) - H04N 5/225, G06K 9/32, G06K 9/40, G06K 9/36, H04N 7/00 (2014.01)

USPC - 348/375, 348/E05.042, 348/E05.028, 382/263, 382/300, 382/274, 382/260, 382/284, 348/36, 348/E07.001

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

CPC - H04N 13/025, H04N 5/232, H04N 5/23296, H04M 2250/52, H04N 5/2254, H04N 5/23238, H04N 5/2258, G06T 5/004, G06T 2207/20221, G06T 5/50, G06T 2207/10148, H04N 5/2259 (2014.09) (keyword delimited)

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

Orbit, Google Patents, Google Scholar, Google

Search terms used: dual aperture, zoom digital camera, Wide imaging section, fixed focal length, Wide lens, Tele imaging section

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/0187338 A1 (MAY et al) 24 August 2006 (24.08.2006) entire document	1-22
A	US 2011/0064327 A1 (DAGHER et al) 17 March 2011 (17.03.2011) entire document	1-22
A	US 2008/0218613 A1 (JANSON et al) 11 September 2008 (11.09.2008) entire document	1-22

☐ Further documents are listed in the continuation of Box C.


* Special categories of cited documents:

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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

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