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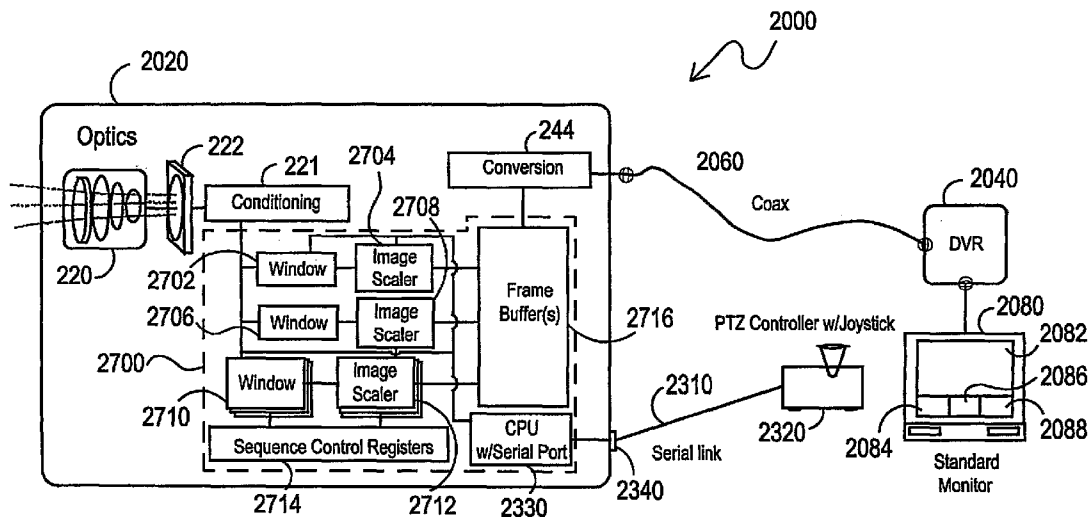
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(54) Title: SYSTEMS AND METHODS FOR MULTI-RESOLUTION IMAGE PROCESSING



(57) Abstract: Systems and methods for the processing of images (Fig. 3B) over bandwidth-limited transmission interfaces, such as processing of high resolution video images over standard analog video interfaces, using multi-stream and/or multi-resolution analog methodology. The disclosed systems and methods may also be implemented to provide video resolutions across standard analog video interfaces in a manner that supports digital capture and imaging techniques to obtain useful information from digitally zoomed and enhanced video.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/08525

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: **H04N 5/225( 2006.01),7/12( 2006.01),7/14( 2006.01)**

USPC: 348/207.1,207.11,426.1,14.12

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)

U.S. : 348/207.1, 207.11, 426.1, 14.12

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 practicable, search terms used)

East - terms: digital image, merge, analog interface, divide, split, convert, resolution, portion

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2003/0048353 A1 (KENOYER et al.) 13 March 2003 (13.03.2003), Figs. 1-5, 7; Paragraphs 0012-0013, 0025-0026, 0033, 0038-0040, 0043,	2,7,8,10,12,14,15,17,19 ,22,24,-26,31-32,34,38- 39,41,43,45- 46,48,50,53,55-57,62- 63,65,67 ----- 1,3- 6,9,11,13,16,18,20,21,2 3,27-30,33,35- 37,40,42,44,47,49,51,5 2,54,58-61,64,66,68-72

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"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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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,537,157 (WASHINO et al.) 16 July 1996 (16.07.1996), column 6 lines 25-44, column 6 line 63 - column 7 line 23, column 7 line 52 -column 8 line 11	1,3- 6,9,11,13,16,18,20,21, 23,27-30,33,35- 37,40,42,44,47,49,51, 52,54,58-61,64,66,68- 72