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(71) Applicant (for all designated States except US): **PELCO** [US/US]; 3500 Pelco Way, Clovis, CA 93612-5699 (US).

(72) Inventors: **HUANG, Chien-Min**; 1490 Karen Avenue, Clovis, CA 93611 (US). **AGHDASI, Farzin**; 133 W. Bedford Avenue, Clovis, CA 93611 (US).

(74) Agent: **KASHIMBA, Paul, T.**; Gunster, Yoakley & Stewart, P.A., 500 E. Broward Boulevard, Suite 1400, Fort Lauderdale, FL 33394 (US).

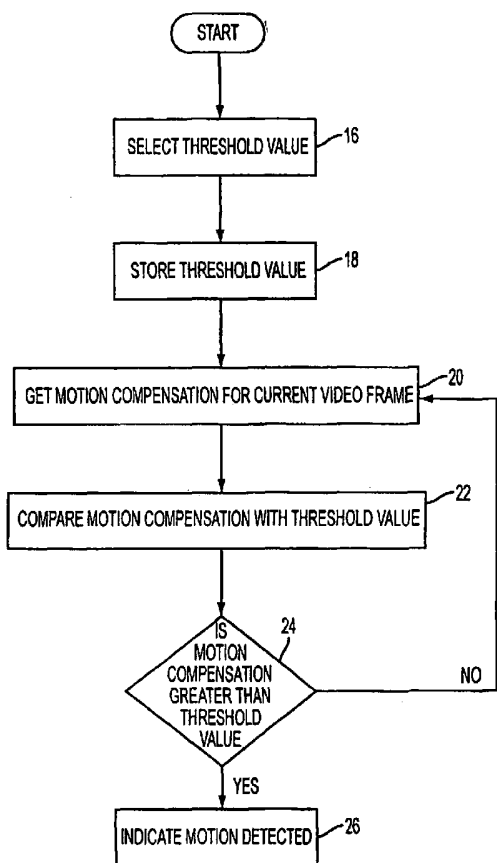
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(54) Title: METHOD AND APPARATUS FOR DETECTING MOTION IN MPEG VIDEO STREAMS



(57) Abstract: A method of detecting motion in a video image comprising the steps of connecting an MPEG compliant encoder to a video source that provides video images, compressing the video data in the video images and generating a compressed video image bit stream having a motion compensation component, receiving the generated compressed video image bit stream, comparing the motion compensation component to the threshold value, and indicating that motion has occurred if the motion compensation component is greater than the threshold value.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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INTERNATIONAL SEARCH REPORT

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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)
 B65G F15B

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)
 EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/038466 A1 (FUGEL DIETMAR ET AL) 27 February 2003 (2003-02-27) the whole document	1-22
A	US 4 624 357 A (OURY ET AL) 25 November 1986 (1986-11-25) cited in the application the whole document	1-22
A	US 4 949 808 A (GARNETT ET AL) 21 August 1990 (1990-08-21) cited in the application the whole document	1-22

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° Special categories of cited documents :

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O document referring to an oral disclosure, use, exhibition or other means	*G* document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 10 January 2006	Date of mailing of the international search report 19/01/2006
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003038466	A1	27-02-2003	AT 260374 T 15-03-2004
			CN 1440364 A 03-09-2003
			DE 10032622 A1 17-01-2002
			WO 0208522 A2 31-01-2002
			EP 1299598 A2 09-04-2003
			ES 2213704 T3 01-09-2004
			JP 2004504241 T 12-02-2004
			TR 200400646 T4 21-06-2004
US 4624357	A	25-11-1986	DE 3590295 C2 03-05-1989
			DE 3590295 T 26-06-1986
			EP 0185023 A1 25-06-1986
			GB 2176756 A 07-01-1987
			JP 6025066 U 05-04-1994
			JP 7009845 Y2 08-03-1995
			JP 61502459 T 30-10-1986
			WO 8600279 A1 16-01-1986
US 4949808	A	21-08-1990	NONE