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(74) Agents: **LUZZATTO, Kfir** et al.; Luzzatto & Luzzatto,
P.O. Box 5352, 84152 Beersheva (IL).

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(71) Applicant (*for all designated States except US*): **MAGNA B.S.P. LTD.** [IL/IL]; Rotem Industrial Park, 86800 Doar Na Ha'Arava (IL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **ZRUYA, Levi** [IL/IL]; Har Adar, 90836 D.N. Northern Judea (IL). **SIBONY, Haim** [IL/IL]; 23/29 Sderot Ben-Gurion, 71285 Lod (IL). **NASONOV, Viatcheslav** [IL/CA]; 3255 Quadra Street, #206, Victoria BC V8X1G4 (CA). **STEKEL, Amit** [IL/IL]; 47 Menucha v'Nachala Street, 76247 Rehovot (IL).

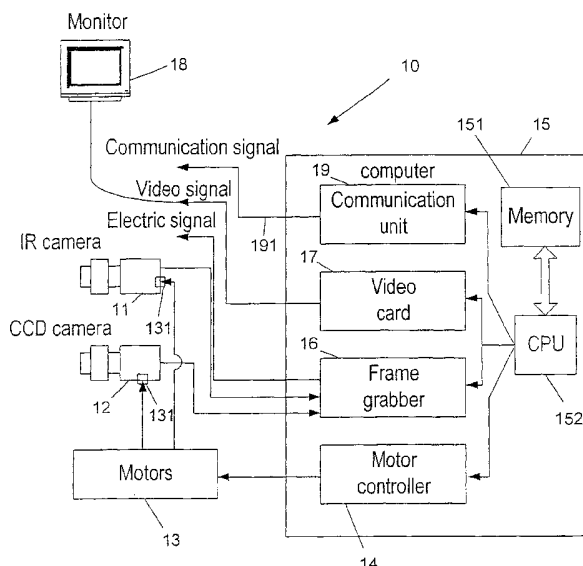
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Published:

- with international search report
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR IMPLEMENTING MULTIPURPOSE MONITORING SYSTEM



(57) Abstract: Method for the monitoring of an environment, by procuring, adjourning and storing in a memory, files representing the background space. Programs for processing data obtained from the observation of objects are defined and stored in a memory, for identifying the objects and for determining whether they are dangerous. Parameters, according to which the observation of the controlled space is effected, are determined and stored. Photographic observation of the controlled space or sections thereof, is performed according to the aforesaid observation parameters. The digital data representing these photographs are processed to determine whether possible dangerous objects have been detected, and if so, these objects are classified according to the stored danger parameters.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 03/00585

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G08B13/196 G08B13/194

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 7 G08B G08G

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)

WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 1 170 715 A (H A N D GMBH) 9 January 2002 (2002-01-09) paragraphs '0007!-'0012! column 3, line 18 - line 21 paragraph '0015! paragraph '0021! paragraph '0027! paragraph '0031! paragraph '0033!	1-3,5,7, 8,17,18, 28,29 4,6
P,X	US 6 512 537 B1 (INOUE SHUJI ET AL) 28 January 2003 (2003-01-28) the whole document	1
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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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

Date of the actual completion of the international search

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

De la Cruz Valera, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 03/00585

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 666 157 A (AVIV DAVID G) 9 September 1997 (1997-09-09) column 5, line 63 -column 6, line 44 ---	1
A	US 4 989 084 A (WETZEL DONALD C) 29 January 1991 (1991-01-29) the whole document ---	1-8
A	US 5 686 889 A (HILLIS DAVID B) 11 November 1997 (1997-11-11) the whole document ---	1,28,29
A	US 5 862 508 A (MIYATAKE TAKAFUMI ET AL) 19 January 1999 (1999-01-19) figure 20 ---	1-8
X	DE 197 09 799 A (BOSCH GMBH ROBERT) 17 September 1998 (1998-09-17) ---	1,17-19
Y	the whole document ---	9-16, 20-26, 30-36
X	US 5 790 183 A (KERBYSON GERALD M) 4 August 1998 (1998-08-04) ---	1,28,29
Y	column 1, line 19 - line 24 column 6, line 53 - line 56 column 9, line 11 -column 1031 column 11, line 43 - line 51 ---	9-16, 20-26, 30-35
Y	DE 198 09 210 A (SIEMENS AG) 16 September 1999 (1999-09-16) the whole document ---	36
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL 03/00585

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-26, 28-36
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-8 17, 18

Method for monitoring an environment wherein a predictive analysis of the path of suspect entities is undertaken (cf assessing the path and foreseeing the future path of objects)

1.1. Claims: 28,29

Apparatus for monitoring an environment comprising a particular type of camera technology

2. Claims: 1, 9-16, 19-26, 28, 30-36

Method for monitoring an environment, performing angle modifications (Claim 9) of the layout of the imager positioning, or observing from a plurality of imagers in a given relationship (claims 17-26) in order to perform a panoramic or 3-Dimensional analysis of said environment.

Apparatus including features allowing the positioning of the image devices in order to perform the above mentioned method.

3. Claims: 1, 27

Method for monitoring an environment documenting activities of wildlife.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 03/00585

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