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(71) Applicant (for all designated States except US): **ELBIT SYSTEMS LTD.** [IL/IL]; Advanced Technology Center, Hof Hacarmel, P.O. Box 539, 31053 Haifa (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAR TAL, Meir**

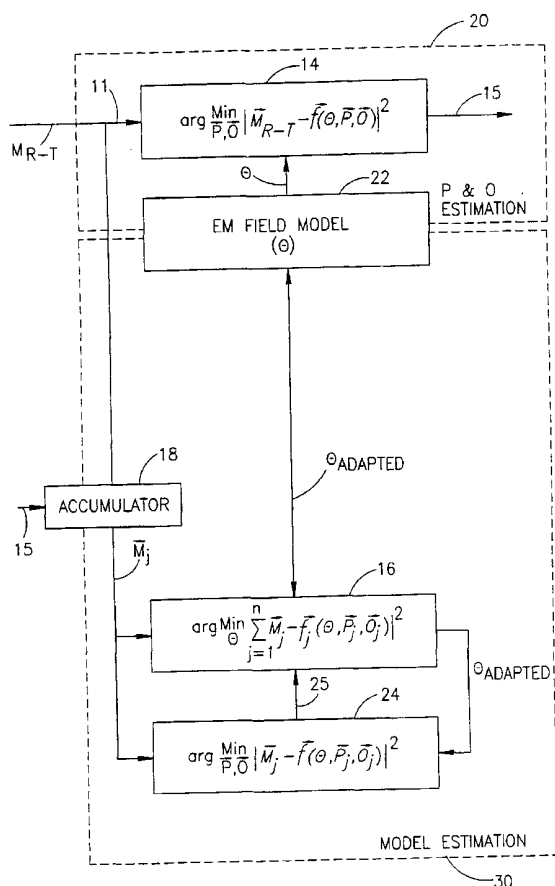
[IL/IL]; 27 Hashita St., 30900 Zichron Yakov (IL). **PLADI, Eitan** [IL/IL]; 113/50 Abba Hillel Silver St., 32697 Haifa (IL). **GANDELSMAN, Mark** [IL/IL]; 9/19 Gut Leven St., 32922 Haifa (IL). **GUROVICH, Eugene** [IL/IL]; 15 Afek St., 20692 Yokneam (IL).

(74) Agents: **EITAN, PEARL, LATZER & CO-HEN-ZEDEK** et al.; 2 Gav Yam Center, 7 Shenkar Street, 46725 Herzlia (IL).

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[Continued on next page]

(54) Title: ESTIMATING POSITION AND ORIENTATION IN ELECTROMAGNETIC SYSTEMS



(57) Abstract: A method (30) for adapting electromagnetic field model parameters including the steps of minimizing (14) the difference between a model (22) for the measurements and one or more measurements. The minimizing may be done by estimating model parameters (15), and at least one position and/or orientation. The model may further include system model parameters, wherein the system may include one or more sensors and one or more radiators.



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INTERNATIONAL SEARCH REPORT

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PCT/IL01/00686

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 7/60, 17/10, 101:00; G06G 7/48, 7/56

US CL : 703/2, 5, 6, 8

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. : 703/2, 5, 6, 8

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, IEEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X, P	US 6,269,324 B1 (RAKIJAS et al.) 31 July 2001, abstract, figs. 1-2, col. 4, line 32 to col. 9, line 5.	1-18
X	US 5,321,613 A (PORTER et al.) 14 June 1994, abstract, col. 5, lines 45-58, col. 13, line 16 to col. 16, line 68.	1-18
Y	US 5,272,639 A (MC GUFFIN) 21 December 1993, abstract, figs. 1-3, col. 1, line 16 to col. 4, line 43, col. 6, line 58 to col. 8, line 23.	1-18
Y	US 5,645,077 A (FOXLIN) 08 July 1997, abstract, figs. 1, 4C5, 811, col. 20, line 19 to col. 22, line 17	1-18



Further documents are listed in the continuation of Box C.



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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

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Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
Facsimile No. (703) 305-3230

Authorized officer

HUGH JONES

Telephone No. (703) 305-9704