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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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(54) Title: PROXIMITY SENSOR

(57) Abstract: A forward-looking proximity sensor comprises one or more antenna elements mounted on a carrier platform in a lateral direction of said carrier platform, said antenna elements being configured to transmit a modulated signal in a direction of travel of said carrier platform, said antenna elements receiving a reflected portion of said modulated signal from said target; and a processing unit configured to generate said modulated signal based on a baseband signal and a carrier signal, said processing unit further determining characteristics of said target based on said reflected portion of said modulated signal, said characteristics of said target indicating a range of said target and at least one feature of said target.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
 INV. G01S13/42 G01S13/89 G01S7/41 G01S13/66 G01S13/88
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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 G01S
 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)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 35 658 A1 (MOREIRA JOAO R [DE]; LUKIN KONSTANTIN [UA]; DERKUM RALPH [DE]) 14 February 2002 (2002-02-14) figures 1,2a abstract paragraphs [0012], [0031], [0036], [0040]	1-22
X	US 5 629 705 A (SPETTEL AARON [US] ET AL) 13 May 1997 (1997-05-13) figure 1 abstract column 1, line 30 - line 32 column 5, line 51 - line 54 column 5, line 62 - line 65 ----- -/--	1-22

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Alberga, Vito
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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.
A	US 2008/117098 A1 (JOHNSON PATRICK W [US] ET AL) 22 May 2008 (2008-05-22) figures 1,4 abstract paragraphs [0008], [0046], [0095] -----	1,17,21
A	US 6 885 334 B1 (HAGER JAMES R [US] ET AL) 26 April 2005 (2005-04-26) abstract column 5, line 6 - line 8 -----	1,17,21

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 10035658	A1	14-02-2002	NONE
US 5629705	A	13-05-1997	NONE
US 2008117098	A1	22-05-2008	NONE
US 6885334	B1	26-04-2005	US 6885334 B1 26-04-2005
			WO 2005101052 A1 27-10-2005