

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 July 2002 (04.07.2002)

PCT

(10) International Publication Number
WO 02/052296 A3

(51) International Patent Classification⁷: **G01S 5/14**

[IN/US]; 200 East Dana Street #C69, Mountain View, CA 94041 (US).

(21) International Application Number: PCT/US01/43802

(22) International Filing Date:
19 November 2001 (19.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/752,506 27 December 2000 (27.12.2000) US

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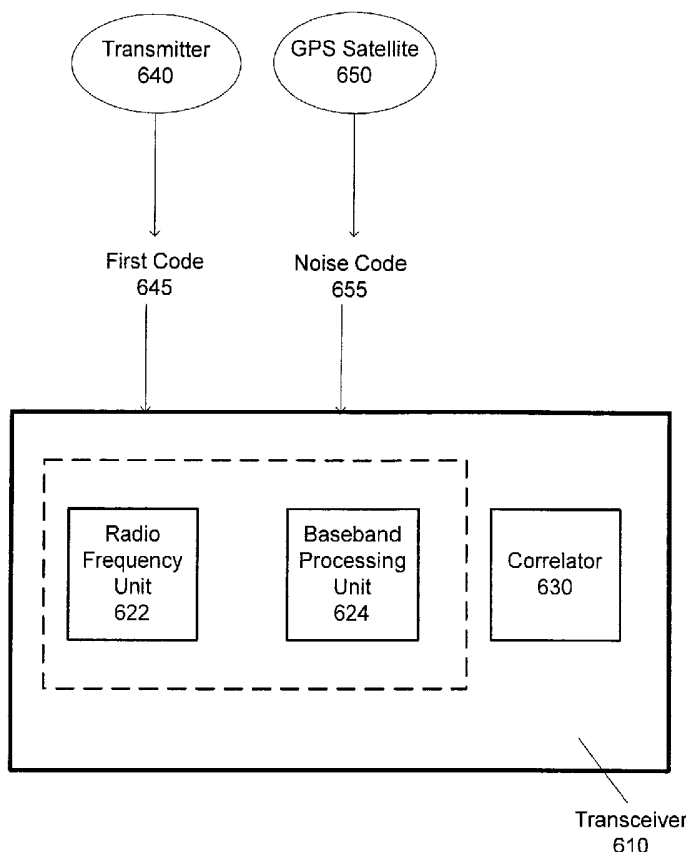
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR A POSITIONING SYSTEM AND AUGMENTATION OF GPS POSITIONING



(57) Abstract: A method and an apparatus for a positioning system and augmentation of a global positioning system (GPS) are provided. The system includes at least four transmitters and at least one transceiver, when GPS is not available. The transceiver is able to calculate a position of the transceiver relative to the transmitters using information sent by the transmitters to the transceiver. When GPS is available, less than four transmitters may be used to augment GPS positioning.

WO 02/052296 A3



(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:

28 November 2002

Published:

— *with international search report*

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

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/43802

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01S5/14

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 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 practical, 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	WO 97 28455 A (STANFORD TELECOMM INC) 7 August 1997 (1997-08-07)	29, 30
Y	page 4 -page 5; figures 1-4 page 8 -page 9 ---	1-28
X	WO 99 48233 A (KSI INC) 23 September 1999 (1999-09-23)	29, 30
Y	abstract; figures 1,2 page 2, line 19 -page 4, line 2 page 12, line 7 -page 17, line 4 ---	1-28
X	US 6 031 487 A (MICKELSON WILMER A) 29 February 2000 (2000-02-29)	29, 30
Y	abstract; figures 1,3-5 ---	1-28
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

20 September 2002

Date of mailing of the international search report

26/09/2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/43802

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 75682 A (KOVACS ERNOE ;SCHRAMM OLIVER (DE); SONY INTERNAT EUROP GMBH (DE)) 14 December 2000 (2000-12-14) abstract; figure 1 page 8, line 31 -page 9, line 28 ----	8,16,26
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Information on patent family members

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