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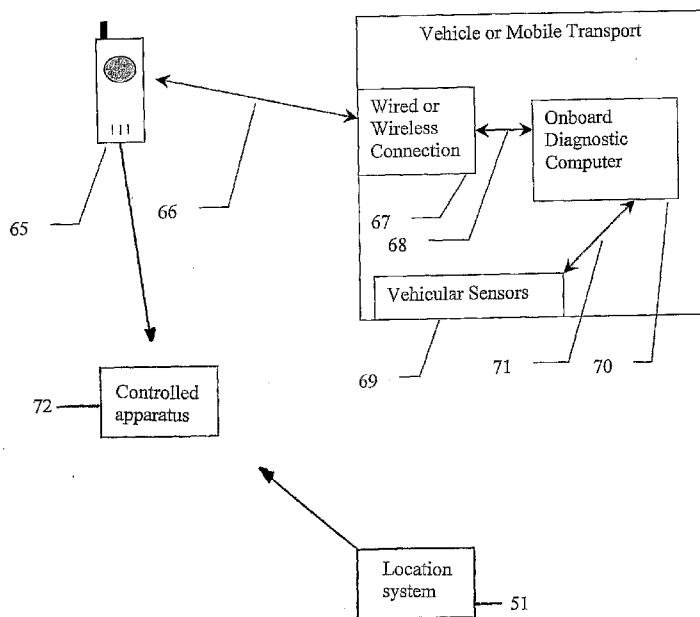
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: LOCATION DETERMINATION UTILIZING ENVIRONMENTAL FACTORS



(57) Abstract: A method and apparatus for determining the geographic location of a user incorporates the sensing of a plurality of physical environmental parameters at the user's location. The parameter values are compared to corresponding parameter values associated with known locations, and a best-fit correlation is established. The identity of the determined location may be displayed to the user, or may be used to control a location-based operation, such as the unlocking of a safe, the transmission of an entry password, or the disabling of a piece of equipment. Persistence weighting values for different environmental parameters may be applied to improve the reliability of the correlation.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

US: 342/419

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(PGPB, USPT, USOC, EPAB, JPAB) Search Terms: location, environmental, physical parameter, position location, signature, tracking

GOOGLE: location determination using physical parameters, radio mapping and position location

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,799,047 B1 (Bahl et al.) 28 September 2004 (28.09.2004), [abstract], col. 2, ln 8-12, 15-19, 21-27, col. 3, ln 63-64, col. 8, ln 12-15	1 - 22

Further documents are listed in the continuation of Box C.

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