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(12) **United States Patent**
Dan

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(54) **LOCATION DETERMINATION SYSTEM**

EP 0 785 535 A1 7/1997
WO WO 98/20434 5/1998

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International Search Report; International Application No. PCT/IL 00/ 00617; Feb. 9, 2001.

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 534 days.

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(21) Appl. No.: **09/677,827**

(22) Filed: **Oct. 2, 2000**

(57) **ABSTRACT**

Related U.S. Application Data

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(51) **Int. Cl.**⁷ **H04Q 7/20**

(52) **U.S. Cl.** **455/456.1**; 455/456.2;
455/456.3; 455/456.5; 455/457; 342/357.1;
342/357.14; 342/357.15

(58) **Field of Search** 455/456.1, 457,
455/456.2, 456.3, 456.5; 340/988, 989,
990, 991, 993; 701/208, 212, 213, 200,
207; 342/357.1, 357.14, 357.15

A system for location tracking of mobile platforms, each mobile platform having a tracking unit is described. The system includes a location determination system communicating through a user interface with at least one subscriber, said communication including inputs that include the subscriber identity and the identity of the mobile platform to be located; a communication system communicating with said location determination system for receiving said remote platform identity; and,

a plurality of remote tracking systems communicating with said communication system for determining the location of the remote platform;

The communication system is arranged to determine an appropriate one of the plurality of remote tracking systems and to communicate said remote platform identity, the appropriate remote tracking system receiving said mobile platform identity and returning mobile platform location information, said communication system being arranged to pass said mobile platform location information to said location determination system. The location determination system is arranged to receive said mobile platform location information and to forward it to said subscriber.

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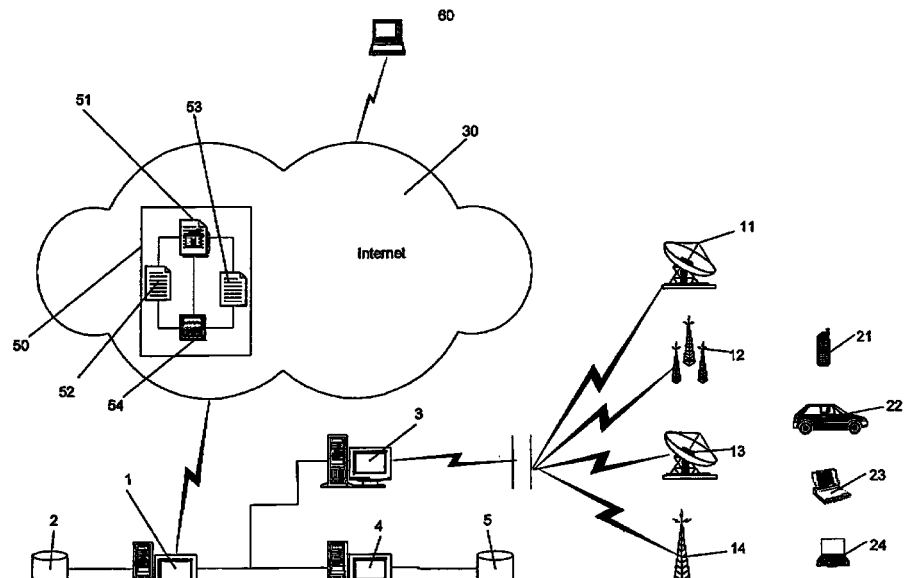
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19 Claims, 4 Drawing Sheets



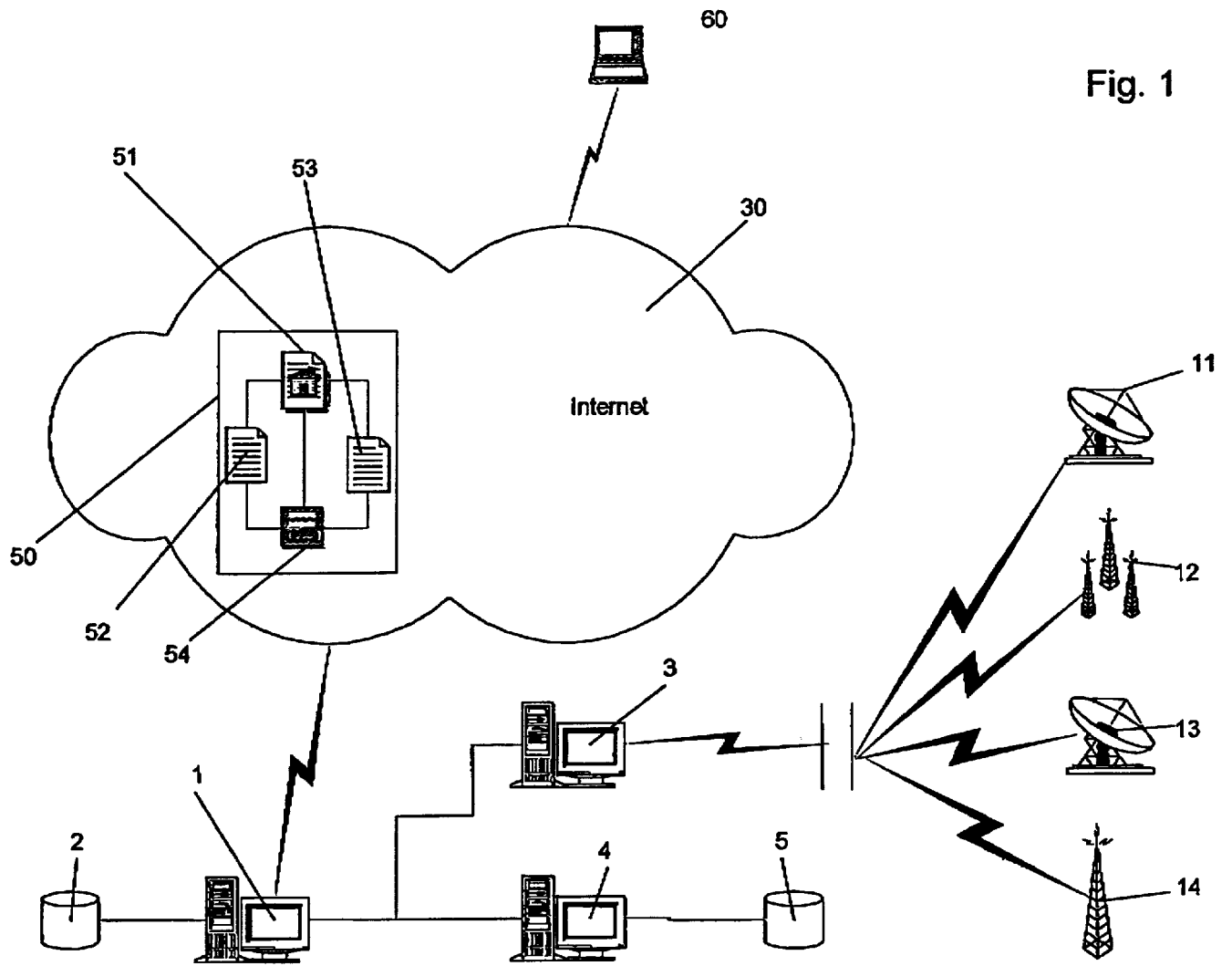
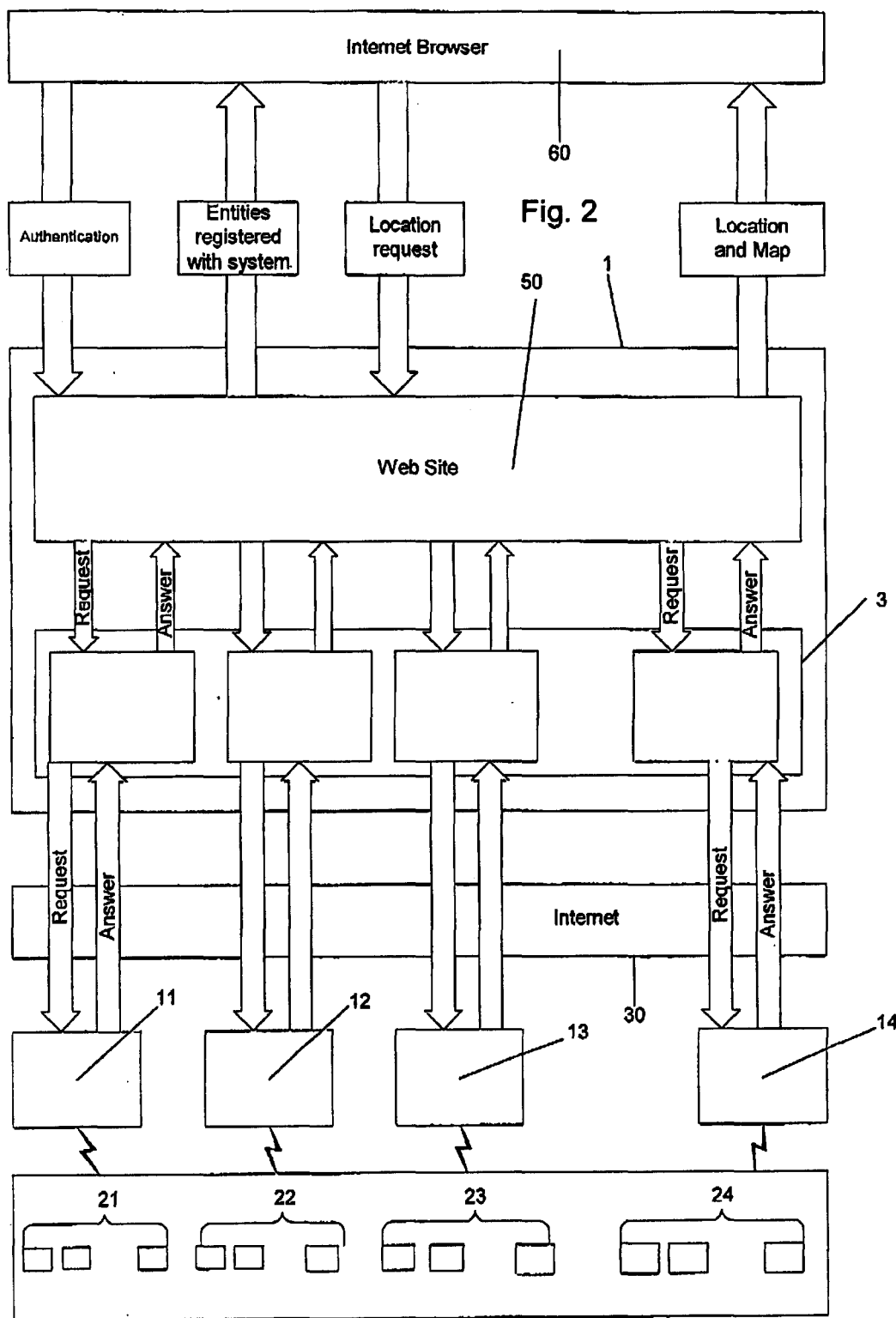


Fig. 1



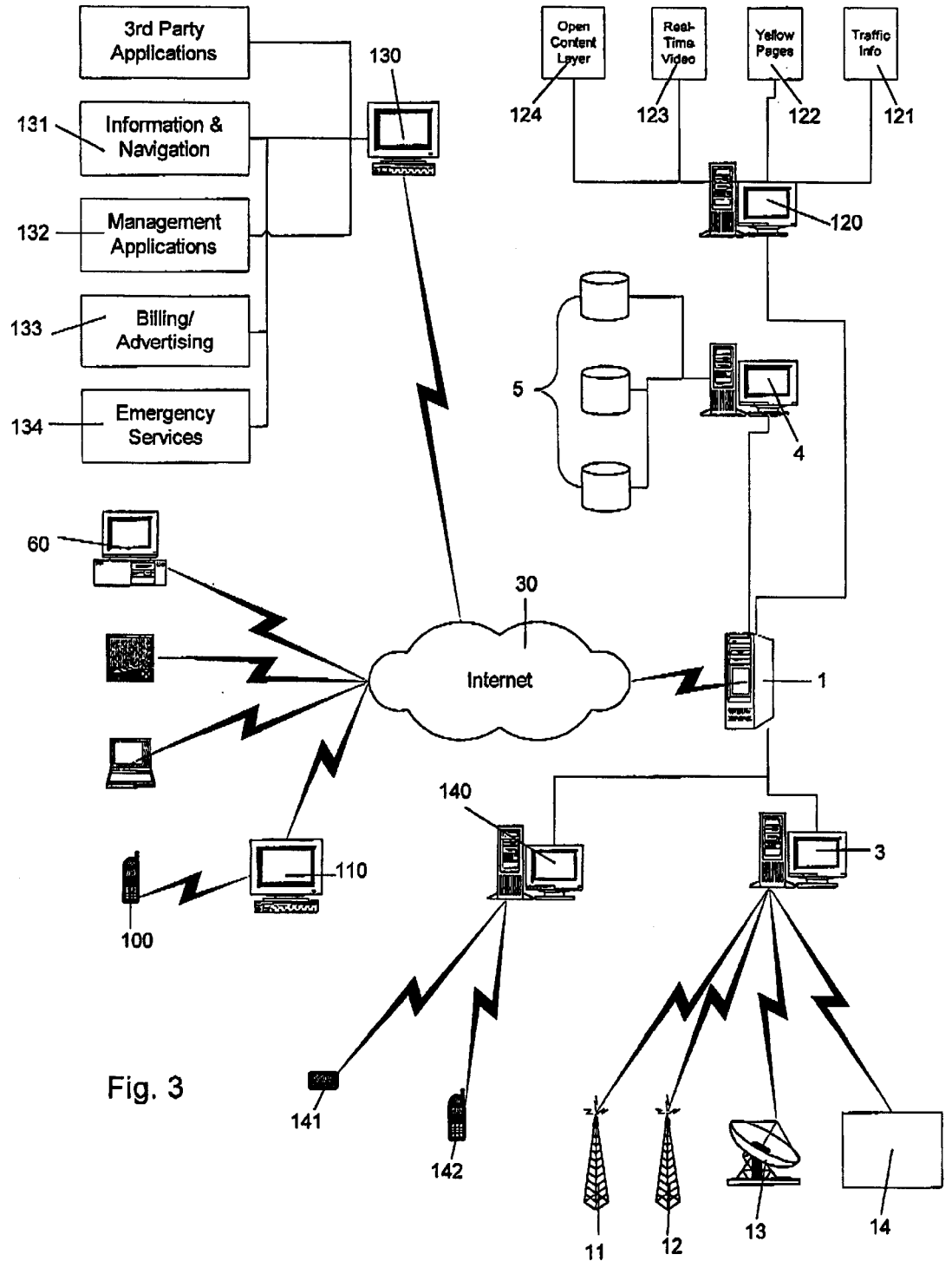


Fig. 3

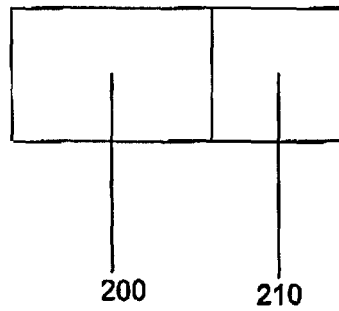


Fig. 4a

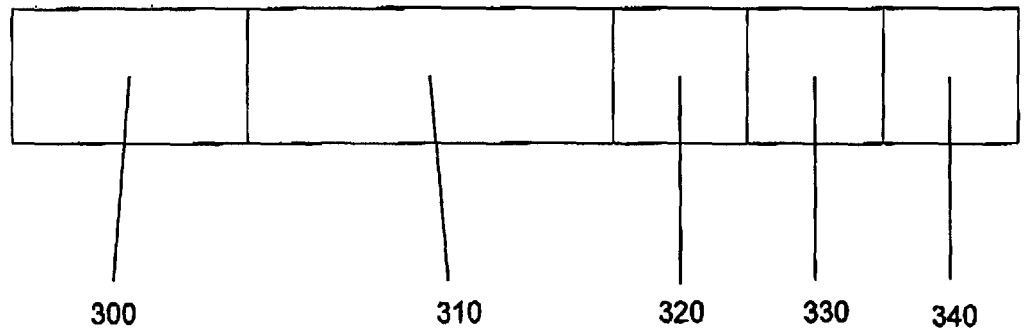


Fig. 4b

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