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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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(73) Assignee: **Locationet Systems 2000 Ltd.**,
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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.

* cited by examiner

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Flannery

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

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

(57) **ABSTRACT**

Related U.S. Application Data

(60) Provisional application No. 60/157,643, filed on Oct. 4,
1999.

A system for location tracking of mobile platforms, each
mobile platform having a tracking unit is described. The
system includes a location determination system communi-
cating through a user interface with at least one subscriber;
said communication including inputs that include the sub-
scriber 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,

(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

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

(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

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 sys-
tem is arranged to receive said mobile platform location
information and to forward it to said subscriber.

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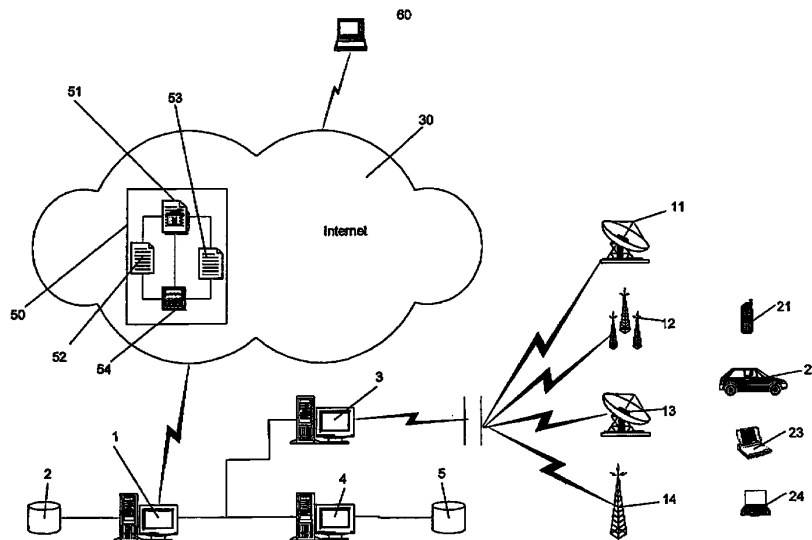
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19 Claims, 4 Drawing Sheets



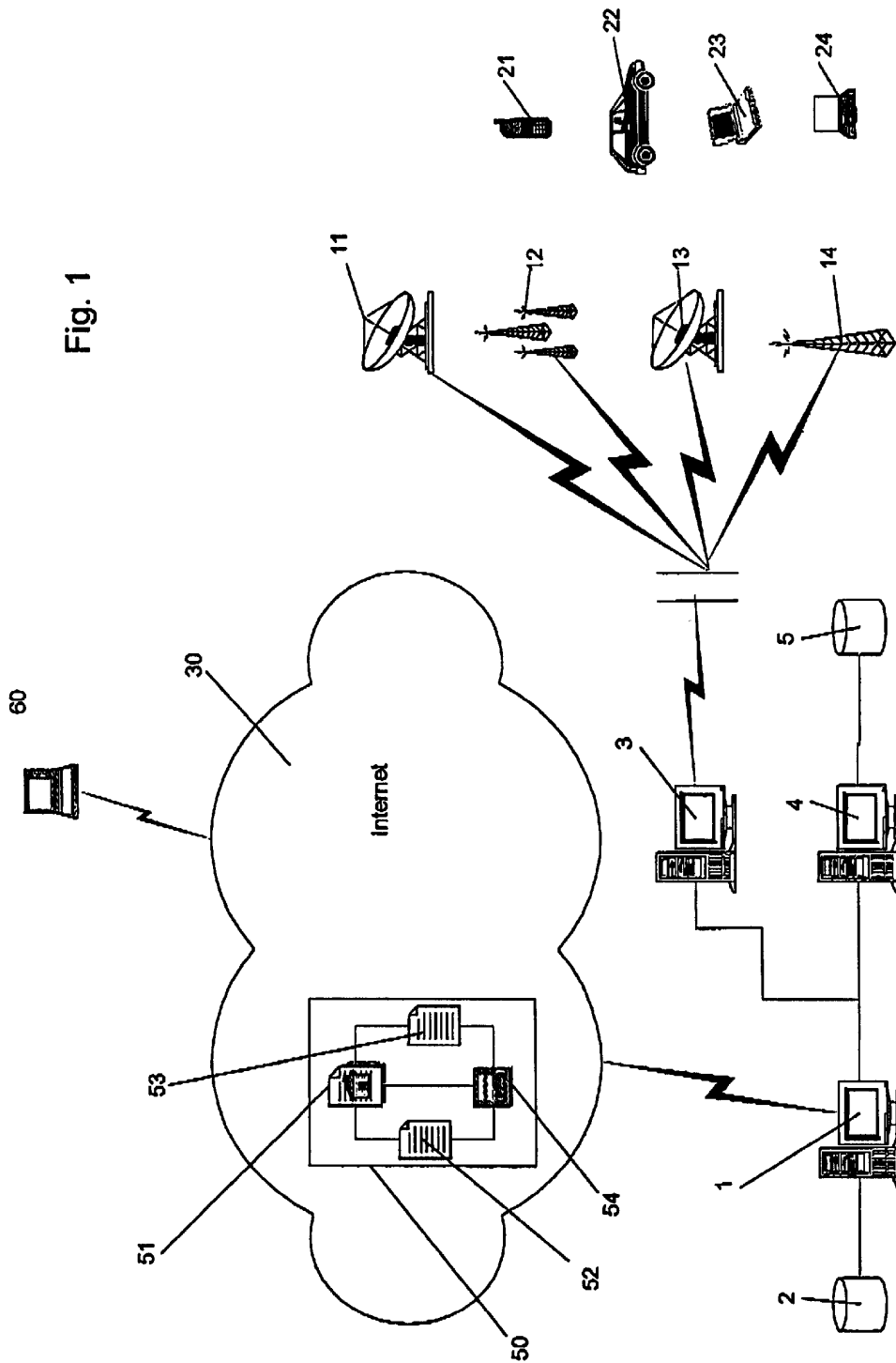
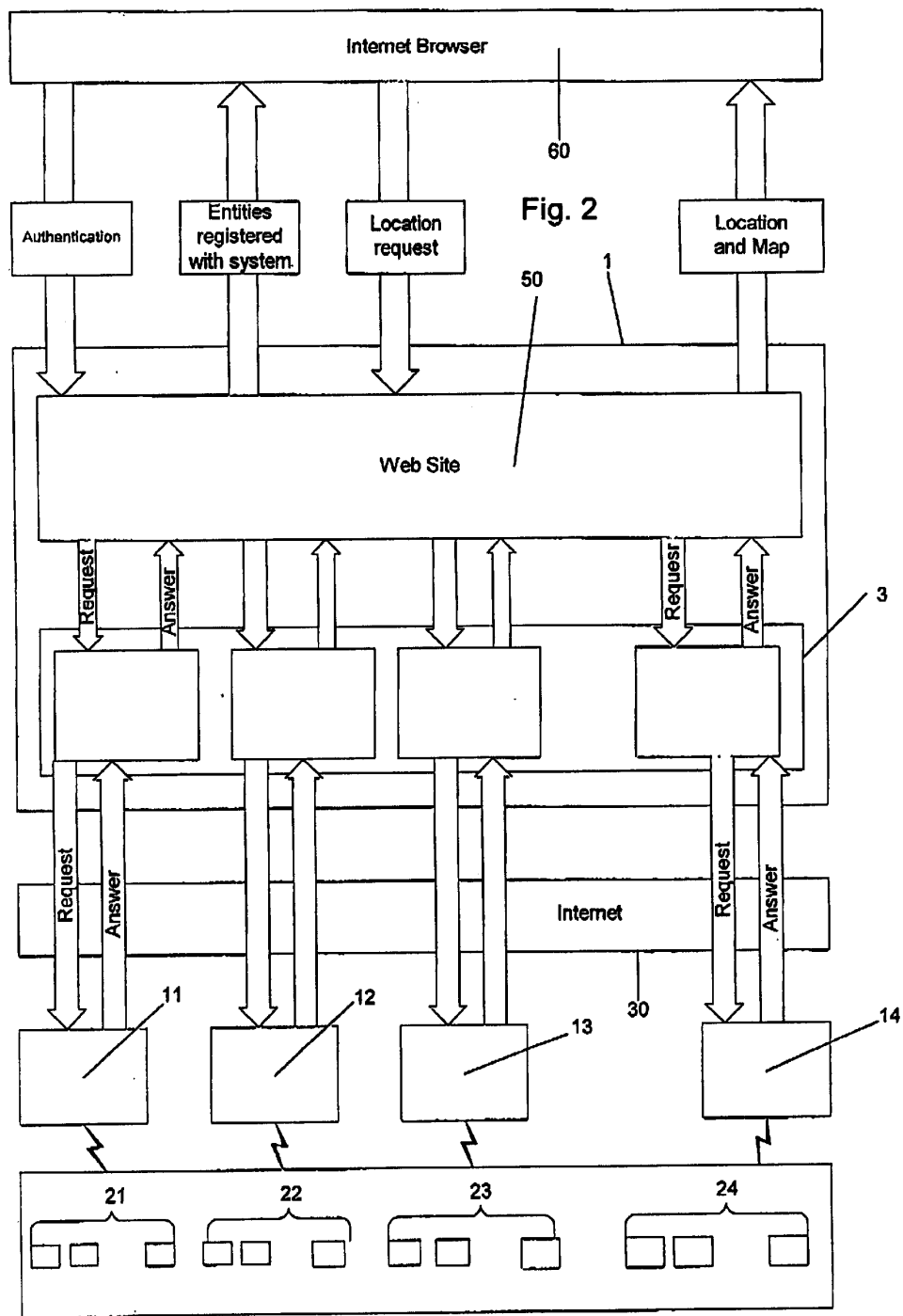
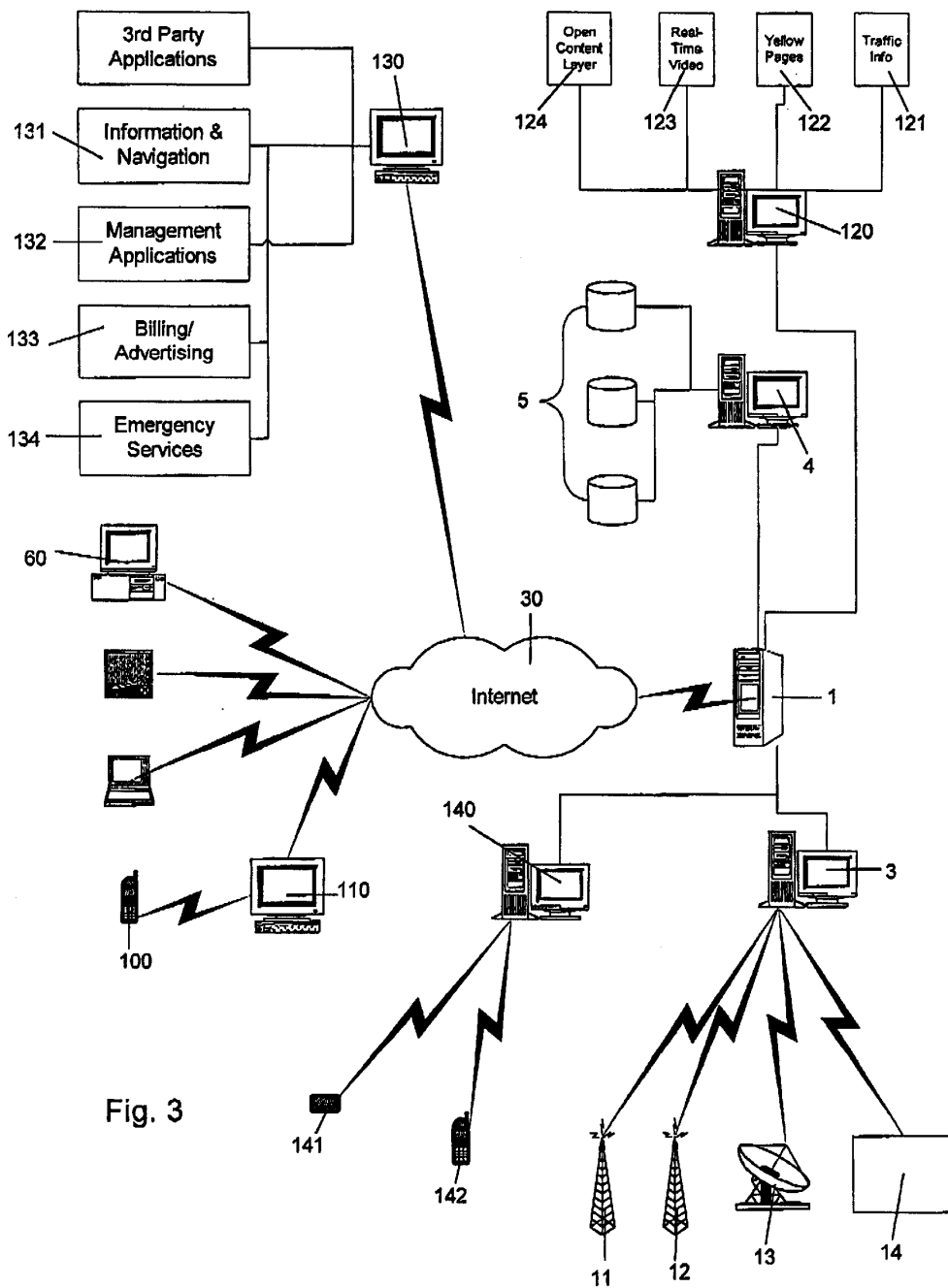


Fig. 1





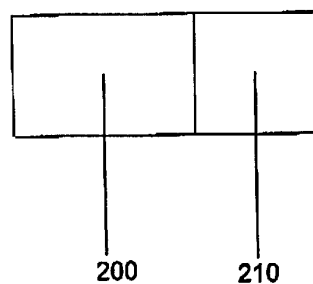


Fig. 4a

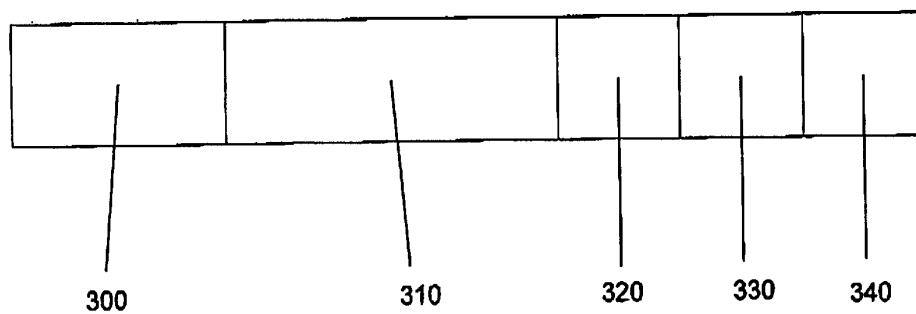


Fig. 4b

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