


Exhibit 2023

Opposition to Petition
for *Inter Partes* Review of

U.S. Patent No. 6,771,970
IPR2014-00199

February 10, 2015

Patent Owner LocationNet Systems, Ltd.'s
Trial Demonstratives



US06771970B1

(12) **United States Patent**
Dan

(10) **Patent No.:** US 6,771,970 B1
 (45) **Date of Patent:** Aug. 3, 2004

(54) **LOCATION DETERMINATION SYSTEM** EP 0 785 535 A1 7/1997
 WO 98/20434 5/1998

(75) **Inventor:** Meir Dan, Tel Aviv (IL)

(73) **Assignee:** LocationNet Systems 2000 Ltd., Natanya (IL)


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

(21) **Appl. No.:** 09/677,827
 (22) **Filed:** Oct. 2, 2000

Related U.S. Application Data
 (60) Provisional application No. 60/157,643, filed on Oct. 4,

OTHER PUBLICATIONS
 International Search Report; International Application No. PCT/IL 00/ 00617; Feb. 9, 2001.
 * cited by examiner
Primary Examiner—Erika Gary
Assistant Examiner—Huy Nguyen
 (74) *Attorney, Agent, or Firm*—Fitch, Even, Tabin & Flannery

(57) **ABSTRACT**
 A system for location tracking of mobile platforms, each mobile platform having a tracking unit is described. The



US06243039B1

(12) **United States Patent**
Elliot

(10) **Patent No.:** US 6,243,039 B1
 (45) **Date of Patent:** Jun. 5, 2001

(54) **ANYTIME/ANYWHERE CHILD LOCATOR SYSTEM** 5,731,757 * 3/1998 Layton 3401573
 5,742,233 * 4/1998 Hoffman et al. 3401573

(75) **Inventor:** Bruce D. Elliot, Colorado Springs, CO (US) * cited by examiner

(73) **Assignee:** MCI Communications Corporation, Washington, DC (US) *Privacy Examiner*—Dao Phan

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 09/063,544
 (22) **Filed:** Apr. 21, 1998

(51) **Int. Cl.** G01S 3/02

ABSTRACT
 (57) A system that tracks the current and historical locations of a GPS locator device carried by a person provides widely available access to data referencing these locations, so that a parent can easily and frequently monitor the location of a child. Monitoring of a child's location may be conducted via a Web site, which provides graphical maps of location data, or via calling into a call center. The present invention also provides a means for a parent to receive the automatic

Issue: Whether Petitioner has met its burden to prove that Claim 18 of the '970 Patent is anticipated by the Elliot reference

6,222,483 B1 * 7/2001 Iwancien et al.
 6,330,454 B1 * 12/2001 Verdonk

FOREIGN PATENT DOCUMENTS
 DE 44 27 913 A1 2/1996

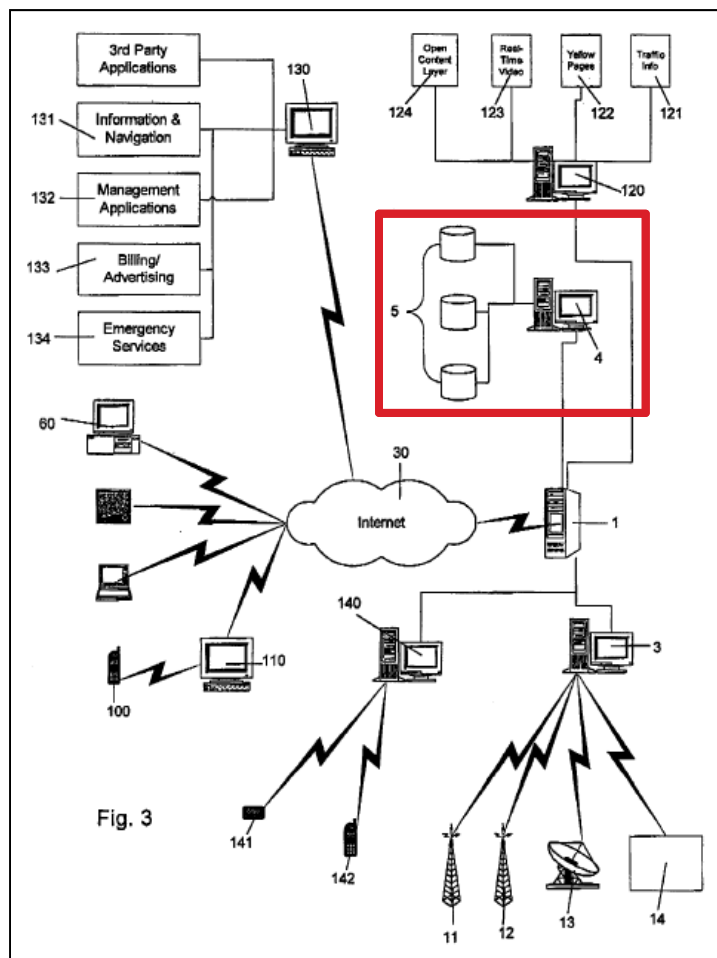
location determination system. The location determination system is arranged to receive said mobile platform location information and to forward it to said subscriber.

19 Claims, 4 Drawing Sheets

EXHIBIT 1001

EXHIBIT 1003

U.S. Patent 6,771,970 B1



“The system architecture of the ‘970 patent requires that each mobile platform location system be associated with a ‘map database’ and a ‘map engine’ For example, the ‘map database’ and ‘map engine’ recited in claim 18 allow a system subscriber to customize a map by selecting which data to be incorporated on the map or the level of detail displayed on the map, such as street names, etc. ... The ‘970 patent’s specific system architecture, including the associated ‘map database’ and ‘map engine,’ also enables dynamic functions such as supplying navigation information, managing movement of resources, such as for route planning between multiple destinations, billing and/or advertising and emergency service management.”

- **Ex. 2016**, Mandayam Decl., at ¶¶35-36 (citing Ex. 1001, Col. 5, lines 13-18, 37-42)

Claim 18 of the '970 Patent

- ▶ 18. A system for location tracking of mobile platforms, each of which is equipped each with a tracking unit, each being adapted to determine the location of a respective mobile platform according to a property that is predetermined for each mobile platform; the system comprising:
 - ▶ (a) a location server communicating through a user interface with at least one subscriber equipped with a browser; said communication having inputs that include at least the subscriber identity, the mobile platform identity and map information;
 - ▶ (b) at least one mobile platform location system coupled to said location server for receiving the mobile platform identity and map information that pertain to mobile platforms associated with the respective mobile platform location system; *each one of said mobile platform location systems being associated with a map database and map engine for manipulating said map database;*
 - ▶ (c) at least one remote tracking service communicating with said respective mobile platform location system for receiving mobile platform identity and returning mobile platform location information;
- ▶ the at least one mobile platform location system being adapted to receive said mobile platform location information and access said map database for correlating map to said location information, so as to obtain correlated location information;
- ▶ said location server being adapted to receive the correlated location information and forward them to said browser.

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