



US 20100217533A1

(19) **United States**

(12) **Patent Application Publication**
Nadkarni et al.

(10) **Pub. No.: US 2010/0217533 A1**

(43) **Pub. Date: Aug. 26, 2010**

(54) **IDENTIFYING A TYPE OF MOTION OF AN OBJECT**

Related U.S. Application Data

(60) Provisional application No. 61/208,344, filed on Feb. 23, 2009.

(75) Inventors: **Vijay Nadkarni**, San Jose, CA (US); **Jeetendra Jangle**, Fremont, CA (US); **John Bentley**, Santa Clara, CA (US); **Umang Salgia**, Nigadi (IN)

Publication Classification

(51) **Int. Cl.**
G01P 15/00 (2006.01)
G06F 19/00 (2006.01)
G06F 17/18 (2006.01)

Correspondence Address:
Law Office of Brian Short
P.O. Box 641867
San Jose, CA 95164-1867 (US)

(52) **U.S. Cl.** **702/19**; 702/141; 702/179

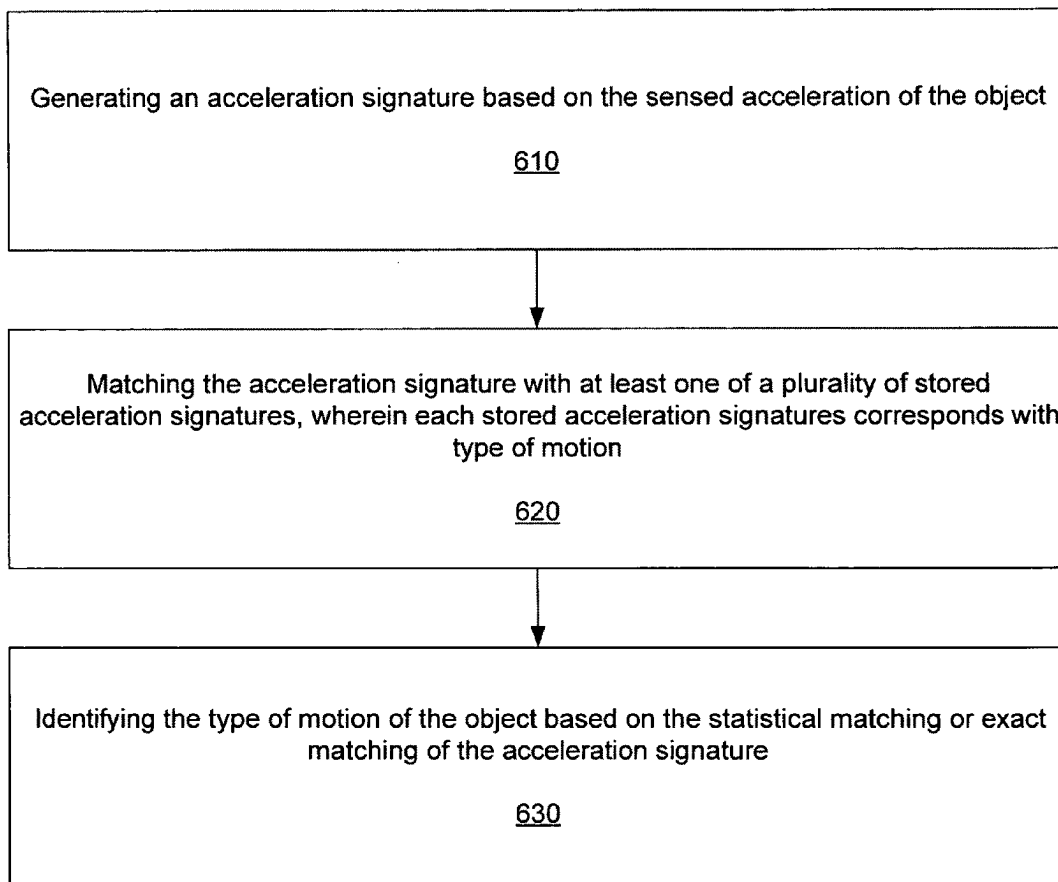
(57) **ABSTRACT**

A method of identifying a type of motion of an animate or inanimate object is disclosed. The method includes generating an acceleration signature based on the sensed acceleration of the object. The acceleration signature is matched with at least one of a plurality of stored acceleration signatures, wherein each stored acceleration signatures corresponds with type of motion. The type of motion of the object is identified based on the statistical matching or exact matching of the acceleration signature.

(73) Assignee: **LABURNUM NETWORKS, INC.**, San Jose, CA (US)

(21) Appl. No.: **12/560,069**

(22) Filed: **Sep. 15, 2009**



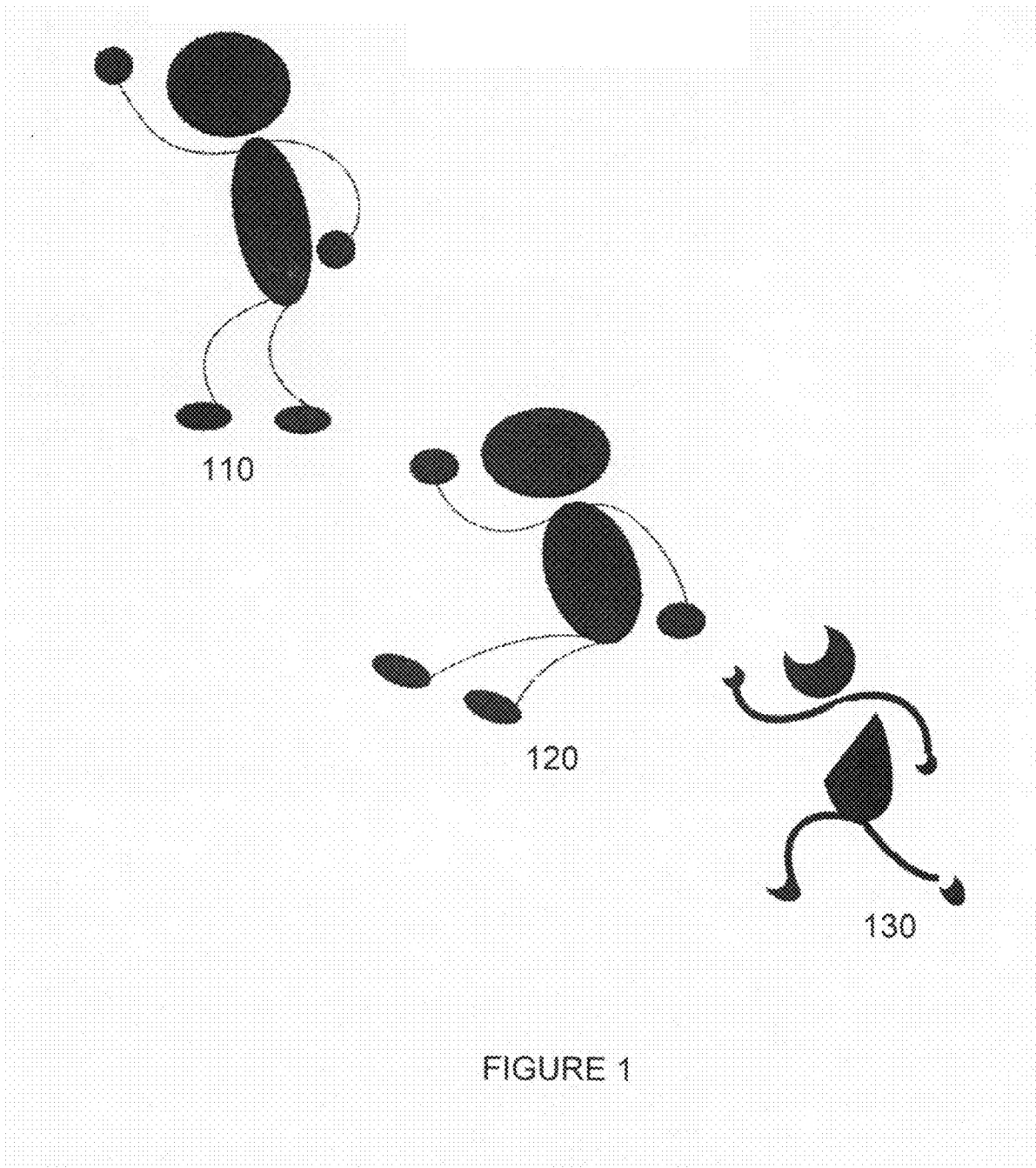


FIGURE 1

Slow Falling and lying down summersault

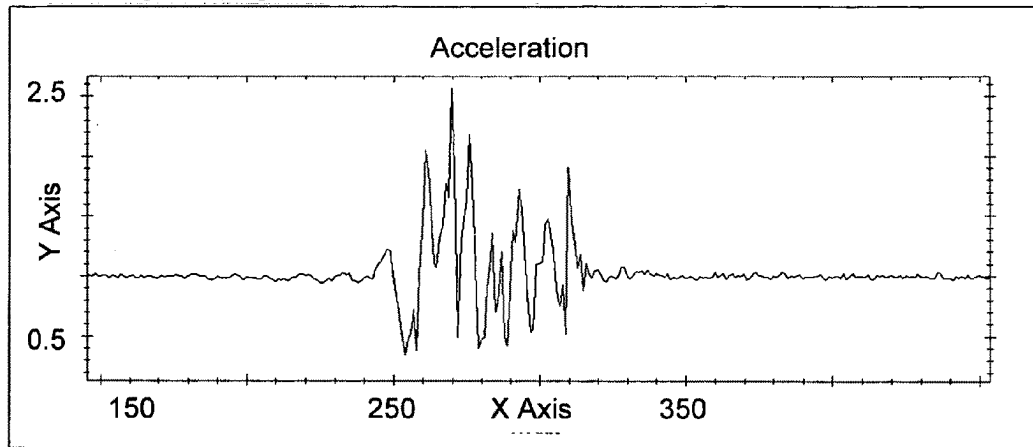


FIGURE 2A

Slipping and falling on back on a bouncy surface (air mattress)

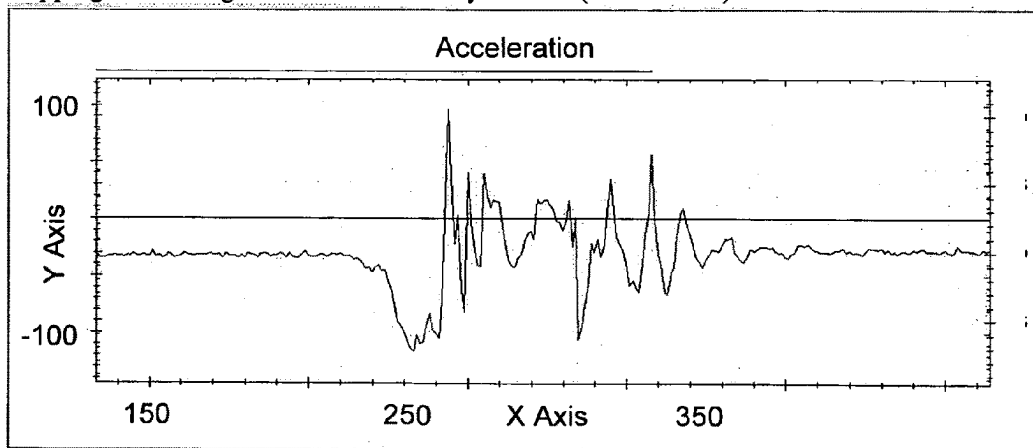


FIGURE 2B

Fall on face with knees flexed

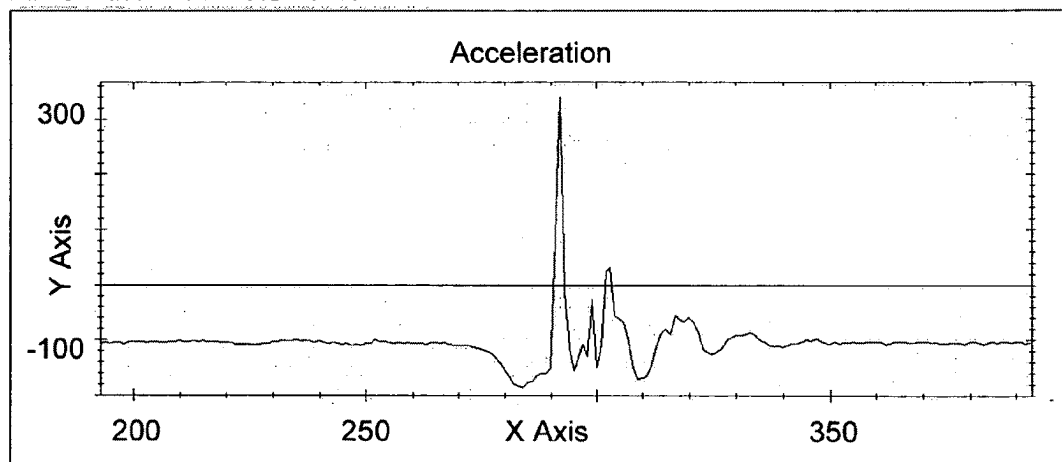


FIGURE 2C

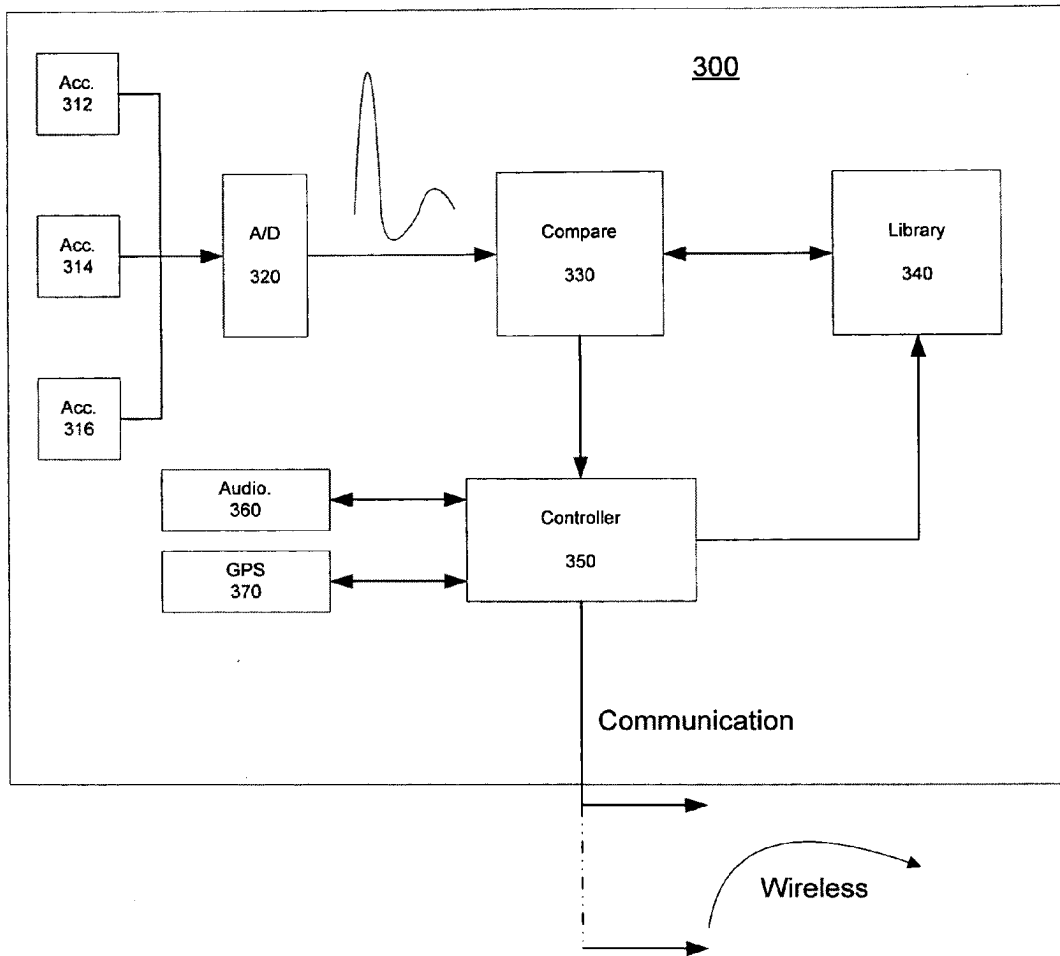


FIGURE 3

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.