



US 20110218502A1

(19) **United States**

(12) **Patent Application Publication**

Iio et al.

(10) **Pub. No.: US 2011/0218502 A1**

(43) **Pub. Date: Sep. 8, 2011**

(54) **CARRYING CASE AND SYRINGE SYSTEM WITH SAME**

Publication Classification

(76) Inventors: **Toshiaki Iio, Ehime (JP); Yukihiro Takabatake, Ehime (JP)**

(51) **Int. Cl.**
A61M 5/178 (2006.01)
H02J 7/00 (2006.01)
A61B 17/06 (2006.01)
(52) **U.S. Cl.** **604/264; 320/107; 320/108; 206/438**

(21) Appl. No.: **13/128,940**

(57) **ABSTRACT**

(22) PCT Filed: **Oct. 2, 2009**

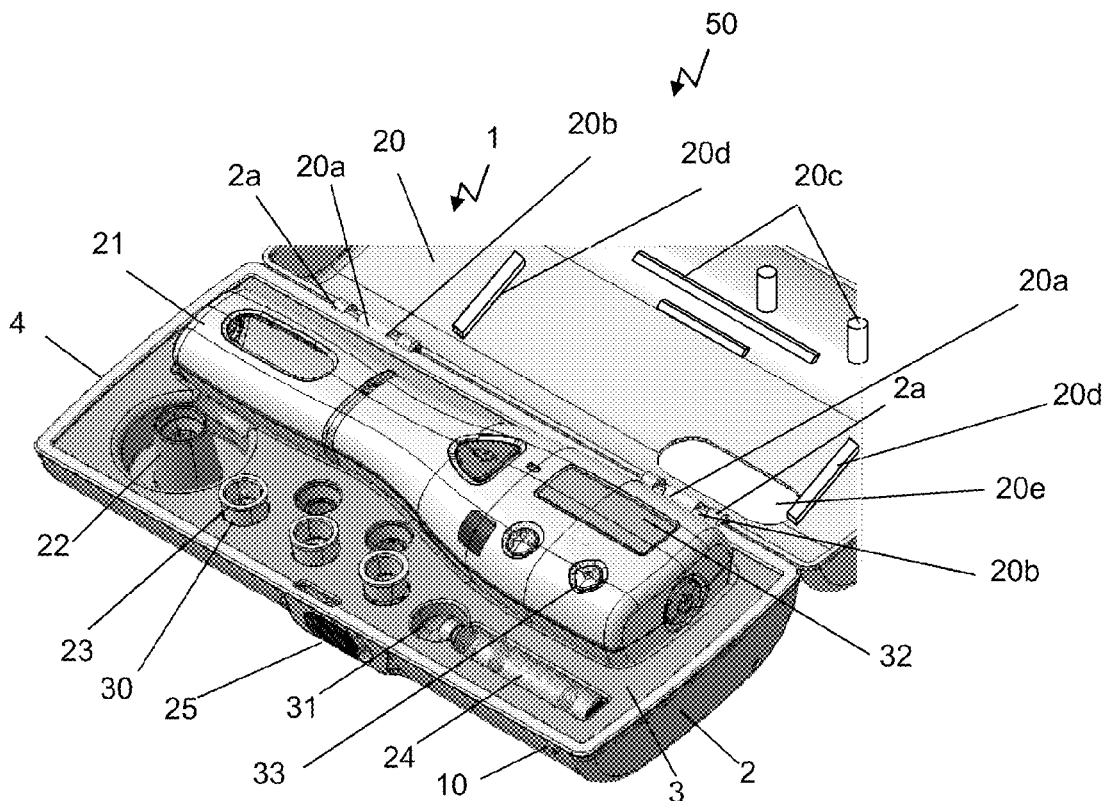
A carrying case (1) for a pharmaceutical injection device (21) administering a pharmaceutical to a living body includes a case unit (2, 20) and an electric charging device (3a). The case unit (2, 20) accommodates the pharmaceutical injection device (21). The electric charging device (3a) is mounted in the case unit (2, 20), includes an electric charging terminal (9) electrically connectable to the pharmaceutical injection device (21), and electrically charges the pharmaceutical injection device (21). The carrying case (1) can prevent troubles including such a situation that a user cannot charge the pharmaceutical injection device (21) while being out with the carrying case.

(86) PCT No.: **PCT/JP2009/005135**

§ 371 (c)(1),
(2), (4) Date: **May 12, 2011**

(30) **Foreign Application Priority Data**

Nov. 14, 2008 (JP) 2008-292793



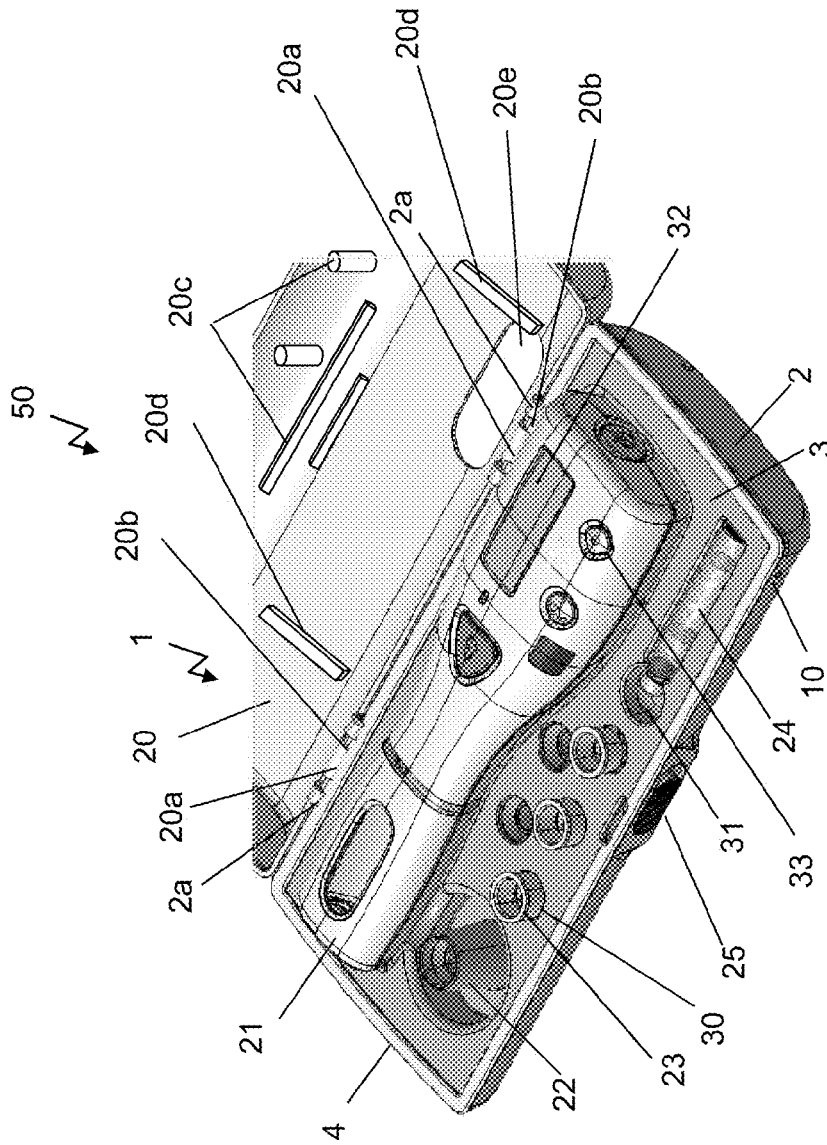


FIG. 1

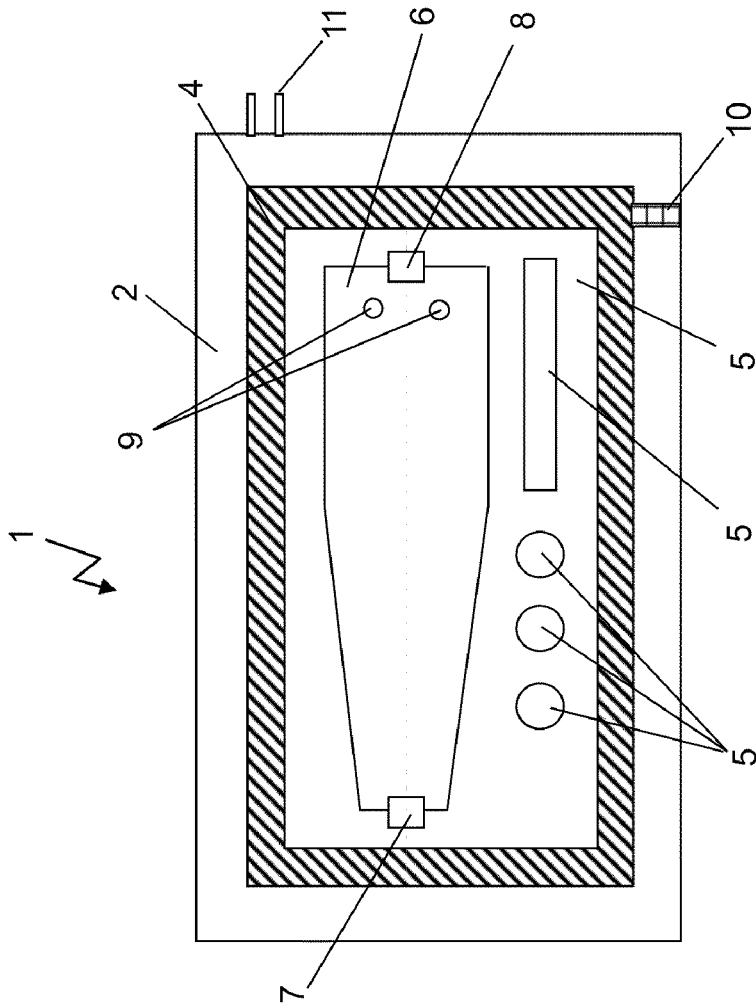


FIG. 2

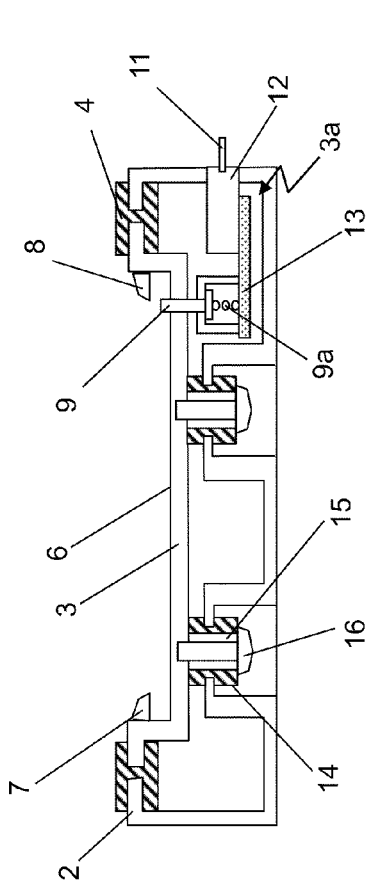


FIG. 3 A

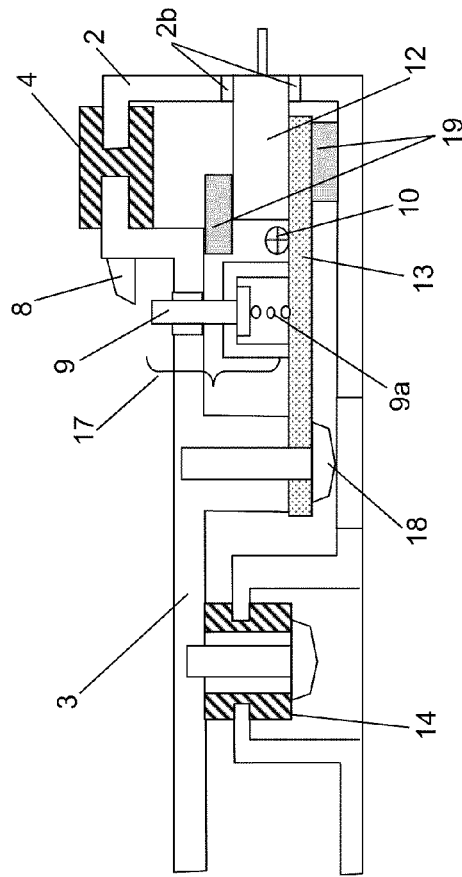


FIG. 3 B

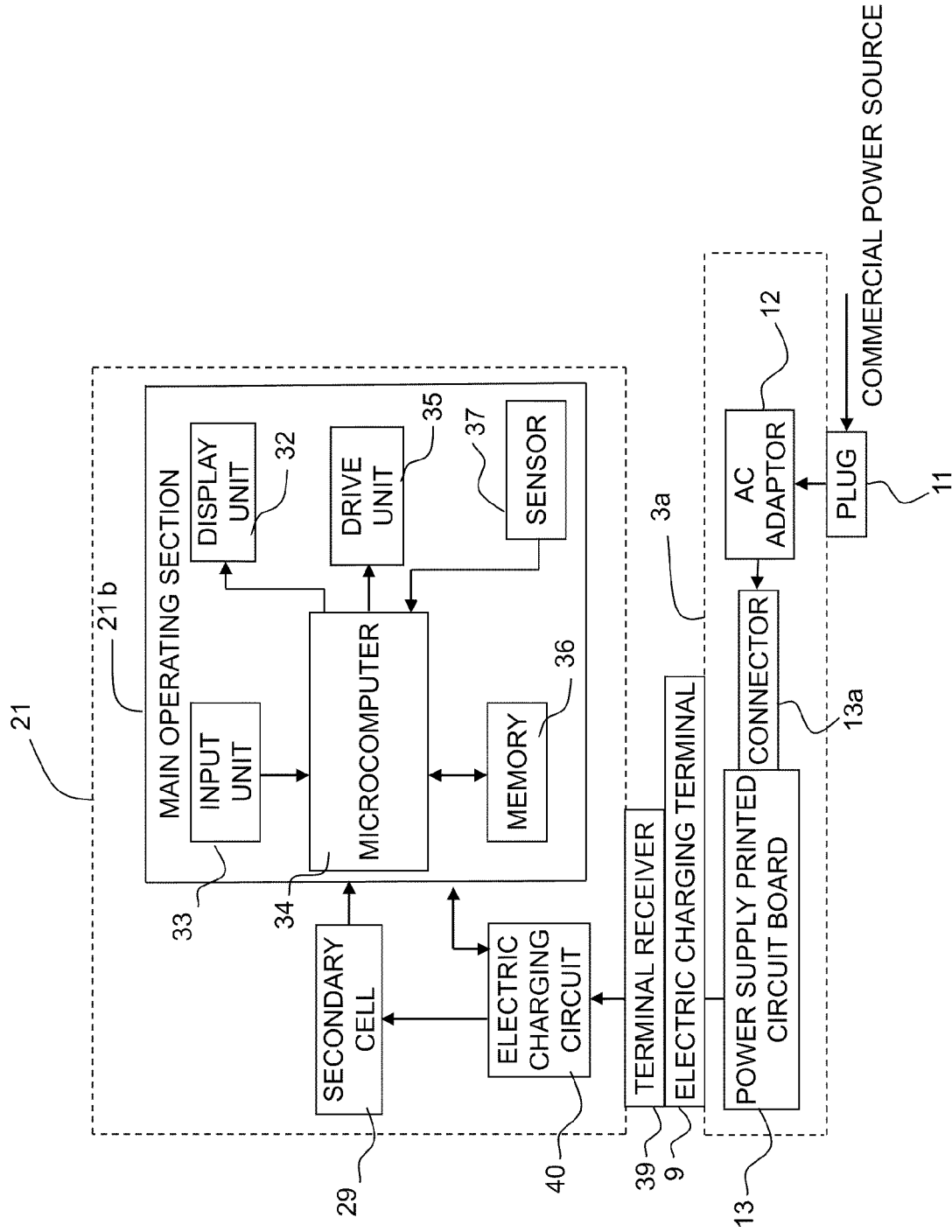


FIG. 4

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.