



US 20050151149A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0151149 A1**

**Chia et al.**

(43) **Pub. Date: Jul. 14, 2005**

(54) **LIGHT EMISSION DEVICE**

(22) Filed: **Jan. 8, 2004**

(76) Inventors: **Chee Wai Chia, Penang (MY); Hui Peng Koay, Penang (MY); Lye Yee Wong, Penang (MY)**

**Publication Classification**

(51) **Int. Cl.<sup>7</sup> ..... H01L 33/00**

(52) **U.S. Cl. .... 257/99**

Correspondence Address:

**AGILENT TECHNOLOGIES, INC.**

**Legal Department, DL429**

**Intellectual Property Administration**

**P.O. Box 7599**

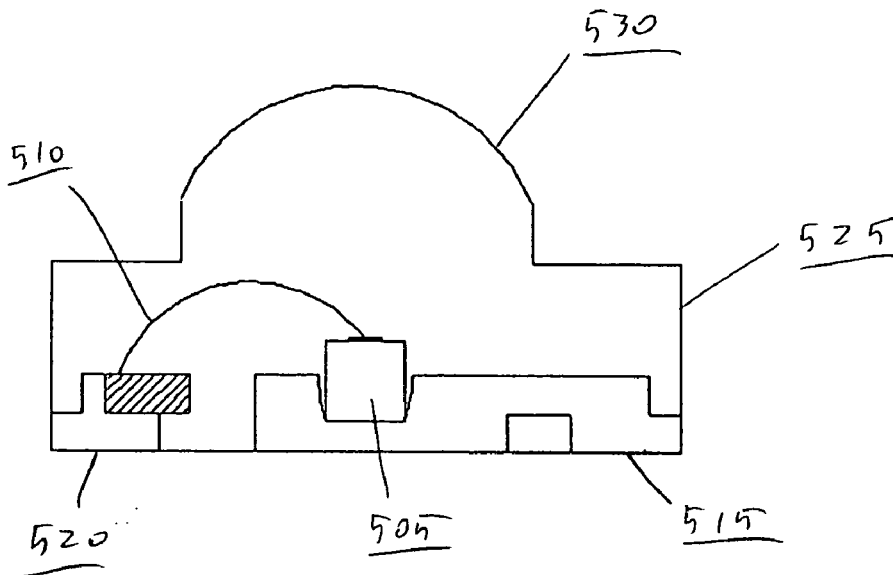
**Loveland, CO 80537-0599 (US)**

(57) **ABSTRACT**

A light emission device. A lead frame comprises a first lead frame segment and a second lead frame segment. A light source is coupled to the first lead frame segment. A wire bond is coupled to the light source and coupled to the second lead frame segment. A translucent epoxy cast encases the light source, the wire bond and a portion of the lead frame.

(21) Appl. No.: **10/755,047**

500



100

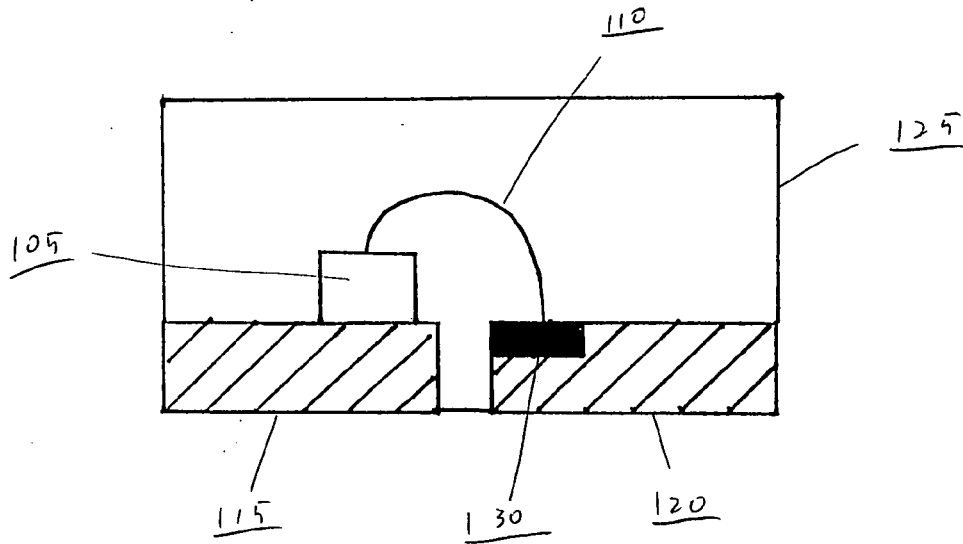


Figure 1

200

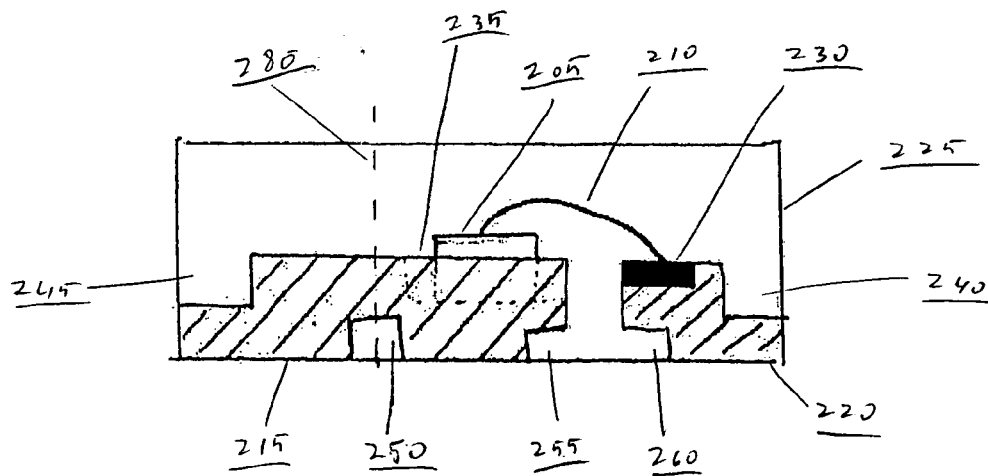


Figure 2

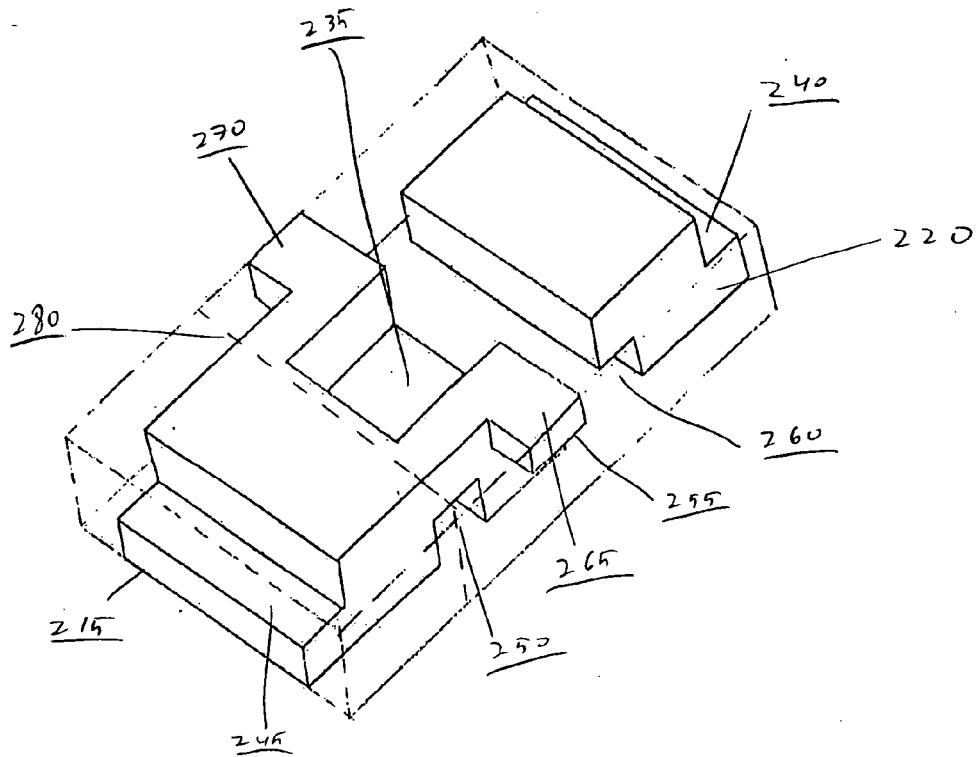


Figure 3

400

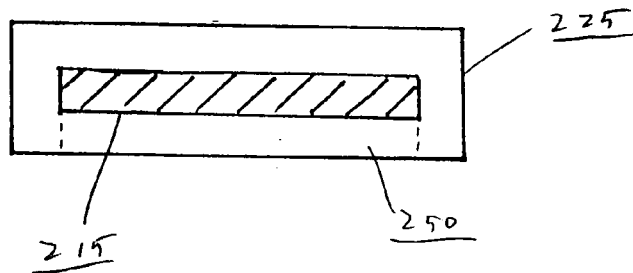


Figure 4

500

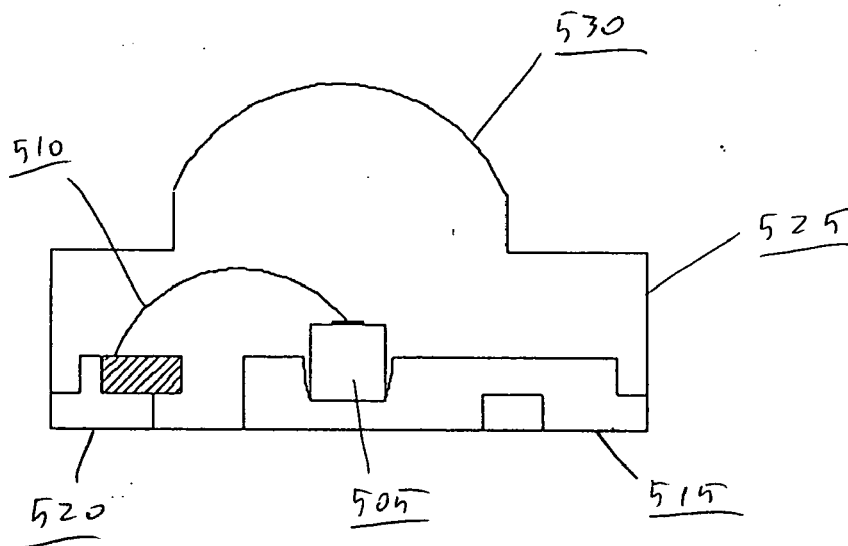


Figure 5A

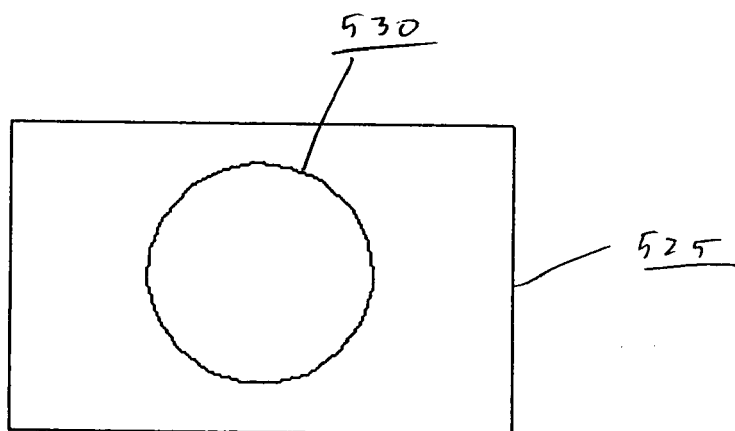


Figure 5B

600

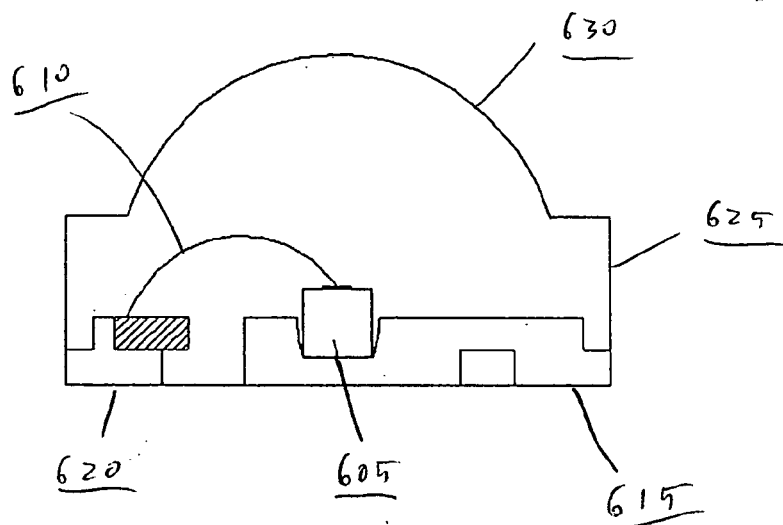


Figure 6A

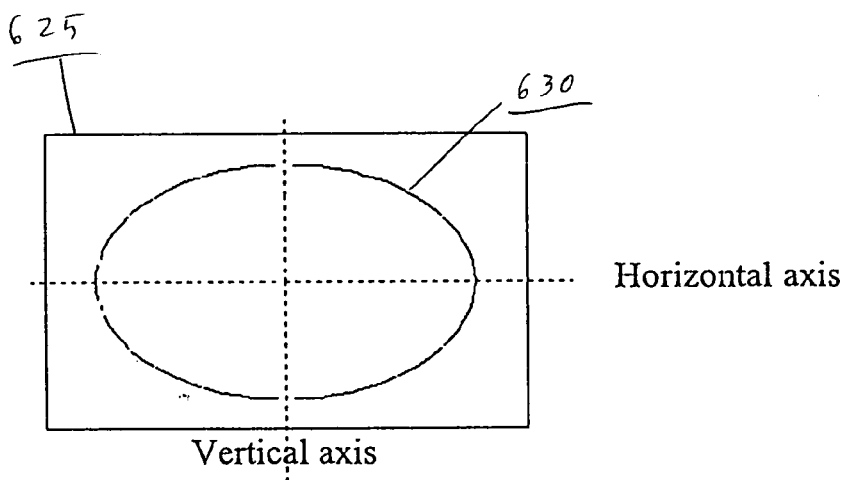


Figure 6B

# 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.