



US 20050049468A1

(19) **United States**

(12) **Patent Application Publication**

**Carlson et al.**

(10) **Pub. No.: US 2005/0049468 A1**

(43) **Pub. Date: Mar. 3, 2005**

(54) **INCREASING THE PERFORMANCE OF AN OPTICAL PULSOXIMETER**

(52) **U.S. Cl. .... 600/323; 600/336**

(76) **Inventors: Sven-Erik Carlson, Herrliberg (CH); Urban Schnell, Ins (CH); Deborah Schegg, Koniz (CH); Martin Liechti, Bern (CH)**

(57) **ABSTRACT**

Correspondence Address:  
**NOTARO AND MICHALOS**  
**100 DUTCH HILL ROAD**  
**SUITE 110**  
**ORANGEBURG, NY 10962-2100 (US)**

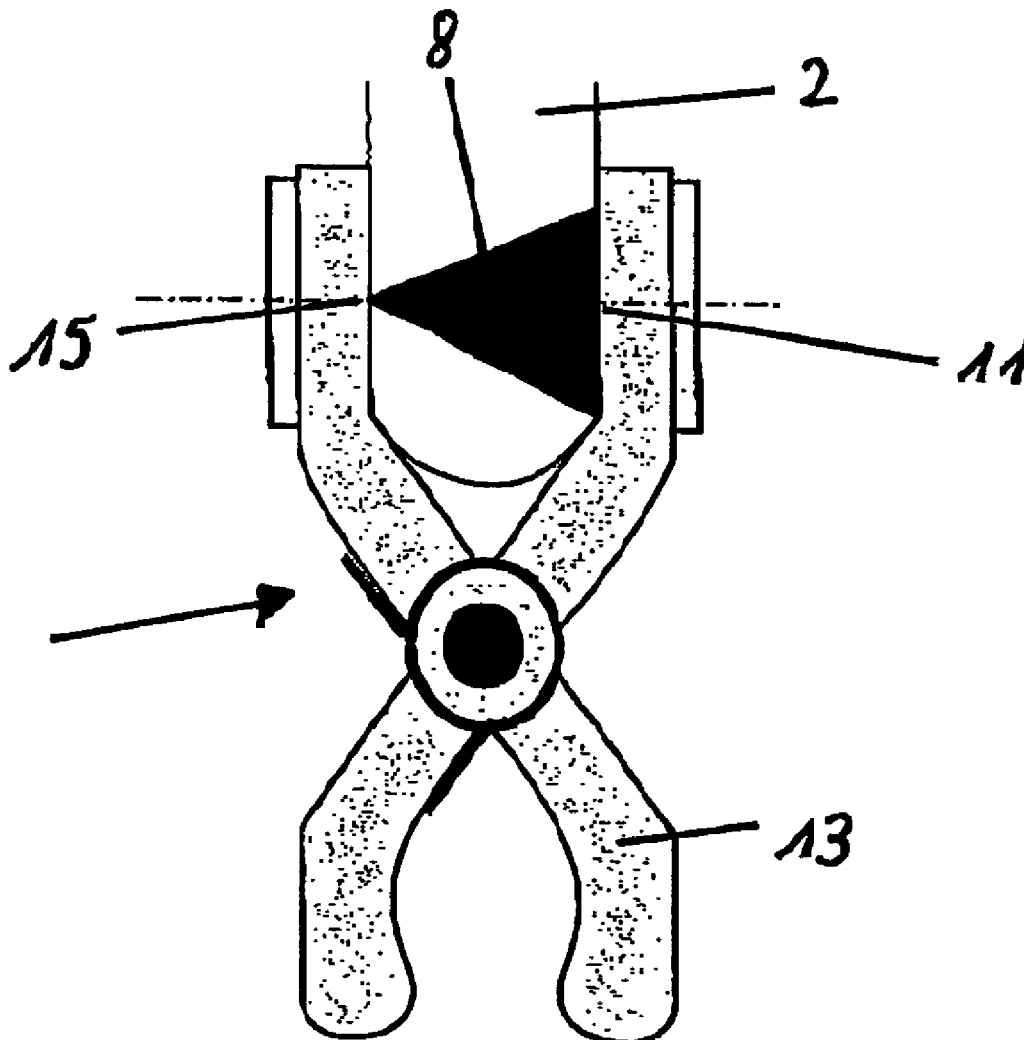
Proposed is a configuration for the acquisition and/or monitoring of medical data, in particular the state of the cardiovascular and pulmonary system, blood values or blood composition, characterised by at least one measuring sensor for the acquisition of the medical data such as the state of the cardiovascular system, etc. of a person comprising at least one light source which can emit light at least at two wavelengths, as well as at least one light receiver for determining the light transmitted and/or reflected through a tissue portion of a person or an animal further comprising means in order to increase the optical Signal-to-Noise and/or Signal-to-Background ratio.

(21) **Appl. No.: 10/654,184**

(22) **Filed: Sep. 3, 2003**

**Publication Classification**

(51) **Int. Cl.<sup>7</sup> ..... A61B 5/00**



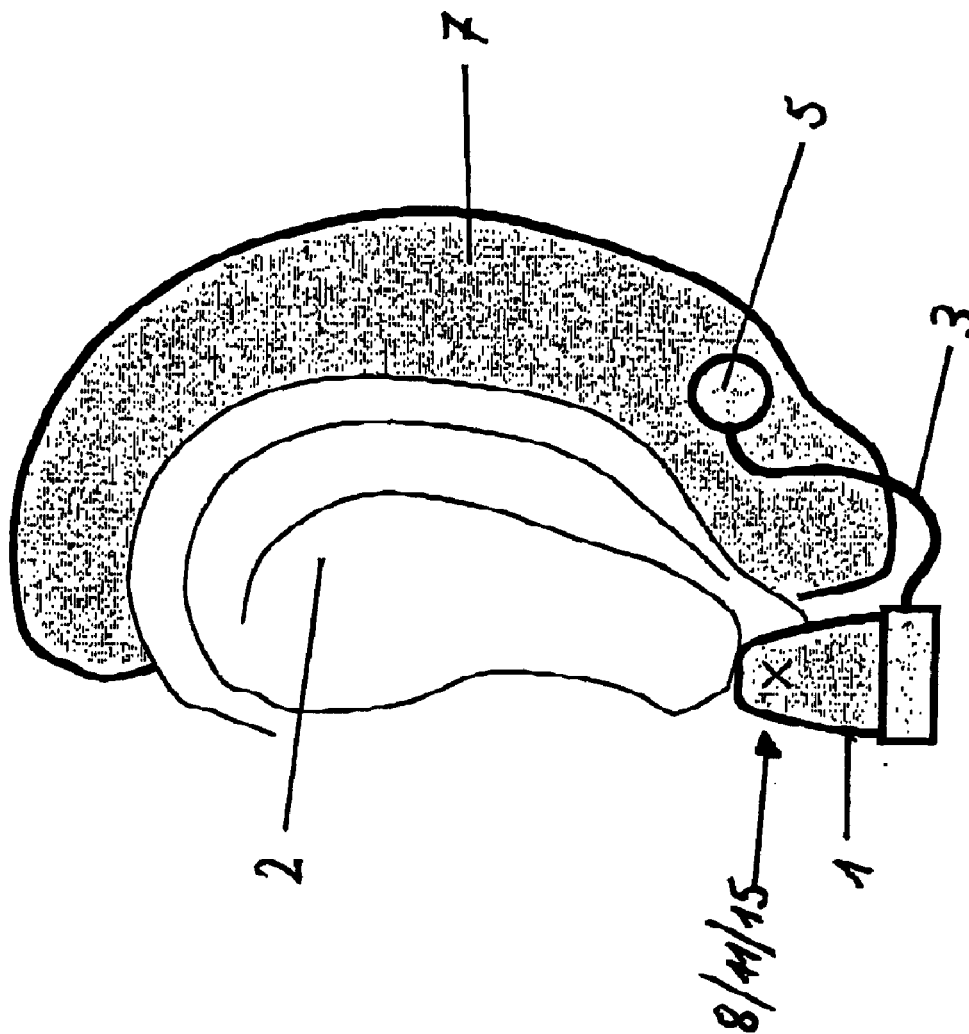


Figure 1

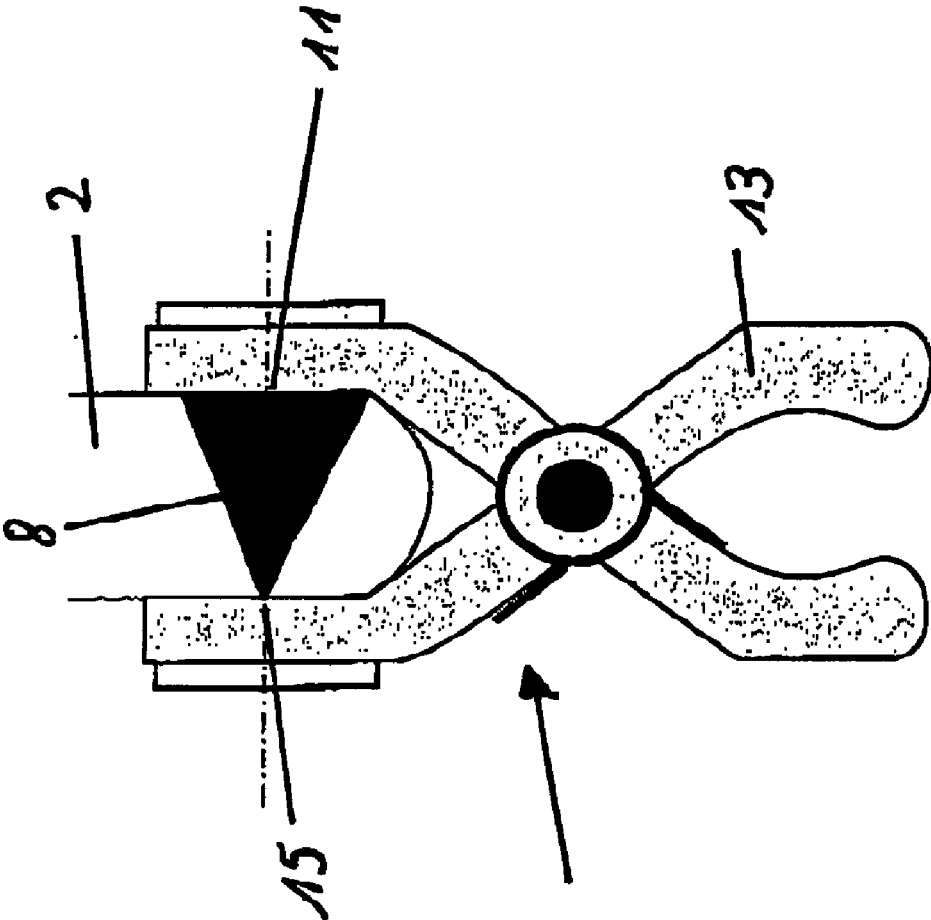


Figure 2

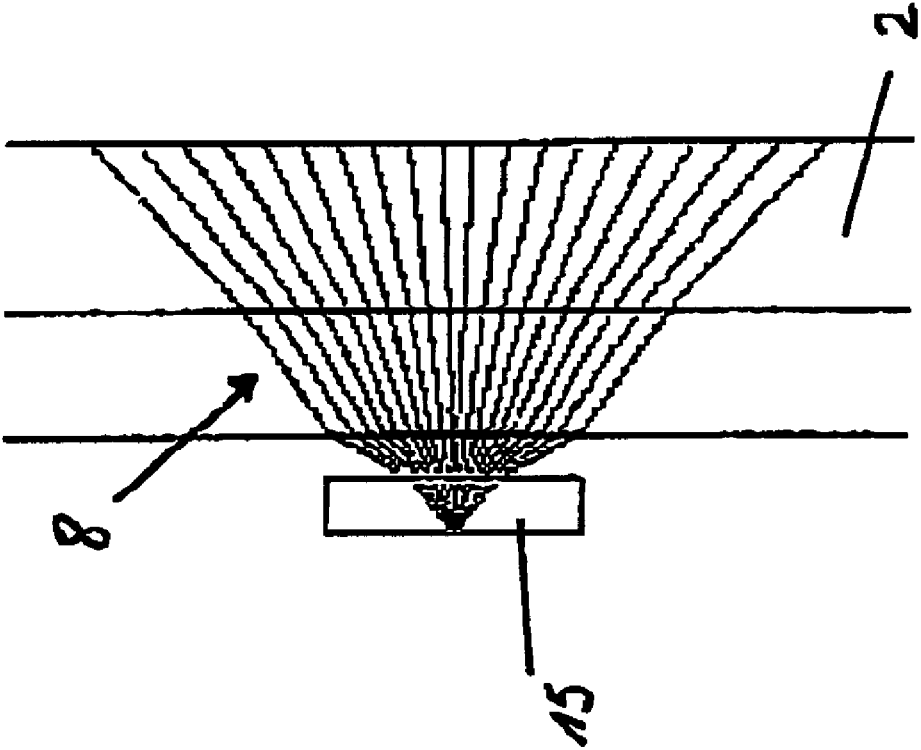


Figure 3

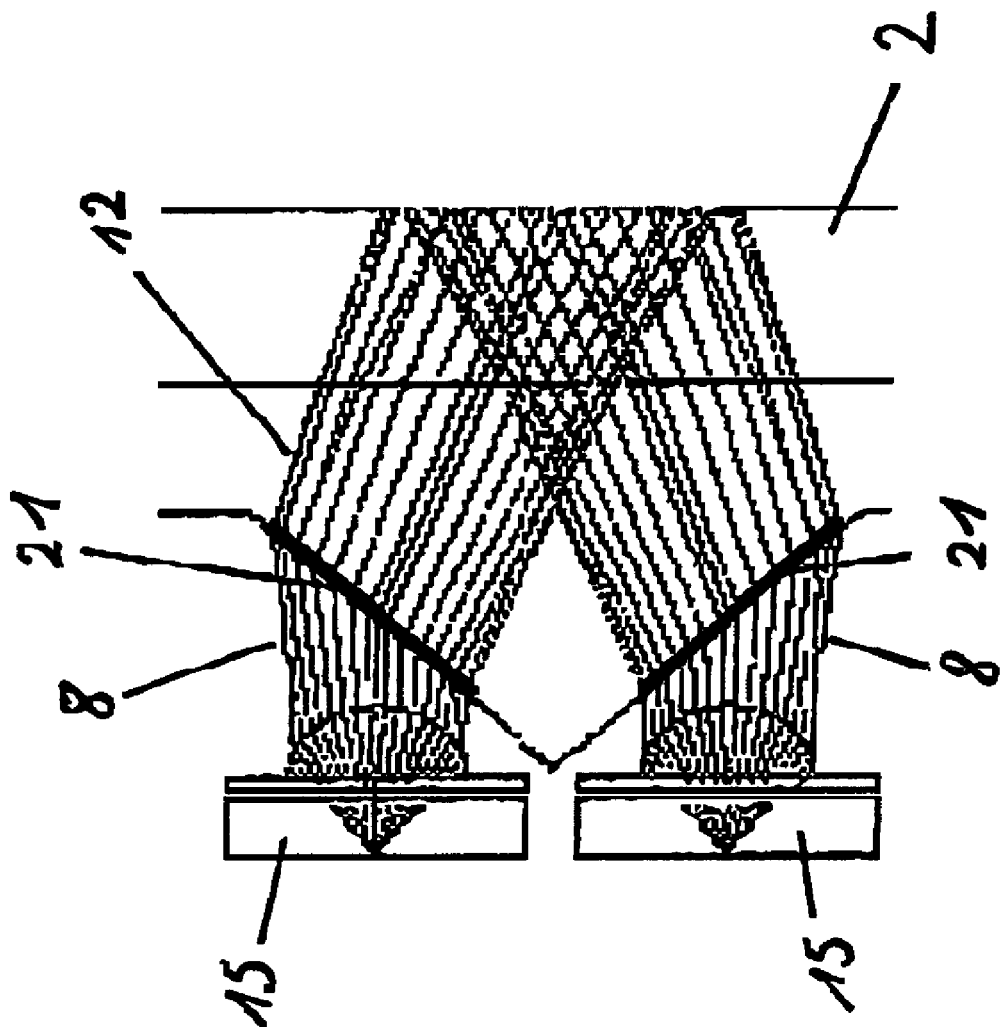


Figure 4

# 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.