



Technology

This is a method to sample an electronic component for its complete frequency response. A pulsed laser system with a controllable pulse frequency is used to detect the amplitude and phase relating to the fundamental frequency of an electronic signal. Thus, this system can be considered as a kind of rapid oscilloscope coupling two high frequency sources. It further acts as an advanced network analyzer measuring not only on the fundamental frequency but also its harmonics.

Competitiveness

The functional range of conventional electrooptical sampling devices is significantly extended, providing easier measure of the frequency response of electronic components.

IP Rights

German Patent DE 103 49 368

Origin

Technische Universität Berlin, Germany

About ipal

The patent commercialisation agency ipal GmbH (innovations, patents, licences) assesses and exclusively markets the inventions of Berlin`s scientists and academics and, therefore, bridges a fundamental gap between science and economy. Shareholders are the Berlin universities Freie Universität (FU), Humboldt Universität (HU), Technische Universität (TU), Hochschule für Technik und Wirtschaft (HTW), and Beuth Hochschule für Technik (BHT) as well as the Investitionsbank Berlin (IBB). The company provides all of the services necessary for bringing ideas to market - from the assessment of patentable technologies to comprehensive patent protection all the way to successful licensing or sale and monitoring license income. ipal GmbH also cooperates with Charité-Universitätsmedizin (University Medicine), Robert Koch Institute, Deutsches Herzzentrum (German Heart Institute), Bundesanstalt für Materialprüfung (BAM – Federal Institute for Materials Research and Testing), as well as the Paul Ehrlich Institute, Langen, and the Jacobs University Bremen.

- Suitable Industry
Electrooptics
- Market Potential
Worldwide
- Development
Lab level
- Type of collaboration
License, Cooperation, Sale

• Project Manager
Dr. Kirk Haselton
kirk.haselton@ipal.de
+49 (0) 30 2125 4842
+49 (0) 30 2125 4822

• Provider
ipal GmbH
Bundesallee 171
D-10715 Berlin
Germany
www.ipal.de



Hochschulen
Schutz von Ideen für die
gewerbliche Nutzung