

1: Satya Prakash - www.enganchecubano.com

This book addresses topics related to various laser systems intended for the applications in science and various industries. Some of them are very recent achievements in laser physics (e.g. laser pulse cleaning), while others face their renaissance in industrial applications (e.g. CO2 lasers).

Justia Patents John E. Sell has filed for patents to protect the following inventions. Method and device for achieving optical alignment using laser pulses Patent number: An optical element is aligned on a flexure by applying multiple laser pulses to the flexure. Additional laser pulses are applied until the optical element is aligned properly. Grant Date of Patent: March 14, Assignee: Intel Corporation Attach aligned optics and microelectronics with laser soldering methods Publication number: Fluxless laser soldering methods are used to securely bond an optical or microelectronic component to a substrate. A component is aligned on a substrate. The substrate comprises solder dams in joint areas and solder is placed in the joint areas between the dams and the component. Oxygen is evacuated from the joint areas such as by a vacuum or by filling the area with a gas. Lasers may be fired simultaneously or sequentially at the solder in each of the joint areas to reflow the solder. When the solder re-solidifies a strong bond is created securing the component to the substrate. December 9, Inventors: Hongwei Liu, John E. Sell Mount having high mechanical stiffness and tunable external cavity laser assembly including same Patent number: A laser apparatus wherein all optical components are mounted on a unitary, rigid base. Natural frequency modes of the apparatus are above about 2 kHz. Tuning elements in the apparatus may have natural frequencies greater than about 10 kHz. November 23, Assignee: Intel Corporation Hermetically sealed external cavity laser system and method Patent number: An external cavity laser in a hermetically sealed container and methods for hermetically sealing the external cavity laser. The external cavity laser may be tunable by various mechanisms to allow transmission at multiple selectable wavelength channels. September 7, Assignee: Intel Corporation Micro optical bench for mounting precision aligned optics, optical assembly and method of mounting optics Patent number: A micro optical bench for mounting precision aligned optics thereon, and an assembly of precision aligned optical components mounted on an micro optical bench. August 10, Assignee: Khiem Do, John E. Chapman, Kevin Sawyer Method and device for achieving optical alignment using laser pulses Publication number: July 1, Inventor: Sell Micro optical bench for mounting precision aligned optics, optical assembly and method of mounting optics Publication number: June 15, Publication date: December 18, Inventors: Chapman, Kevin Sawyer Hermetically sealed external cavity laser system and method Publication number: January 9, Inventors: Strijek Transducer suspension system having access aperture Patent number: A transducer suspension system has a transducer head, laminated member, and a load beam. The laminated member is comprised of a support layer, an electrically insulating layer, and an electrically conducting layer. The electrical lines are formed directly into the laminated member. A first end of the support layer has an aperture into which a tongue section protrudes. The transducer head is attached to the tongue section. A platform section is formed between the aperture and the end of the support layer. The electrical lines run to the transducer head along the platform section. The load beam is attached to the laminated member and provides rigid support. The load beam has an aperture located directly above the platform section and provides access to allow clamping of the electrical lines and the platform section during electrical attachment of the lines to the transducer head. Precise electrical attachment is achieved without unwanted bending of the delicate flexure section of the suspension. October 19, Assignee: International Business Machines Corporation Inventors: Satya Prakash Arya, William W. The load beam has an aperture located directly above the platform section and provides access to allow clamping of the electrical lines and the platform section during electrical attach of the lines to the transducer head. February 23, Assignee:

2: OSA | Fingerprint detection and mapping using a phase shifted coherent gradient sensing technique

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Review of Elementary Quantum Physics, Schrodinger Wave Equation, Introduction to Lasers Essentials and Principle of Lasers, Laser Systems, Application of Lasers.

4: User Satya Prakash - Geographic Information Systems Stack Exchange

Laser Systems and Applications Satya Prakash & Vibha Saluja Pragati Prakashan indian 4 Quantum Mechanics Merzbecker Wiley Eastern indian 2

5: Design of a Laser-Warning System Using an Array of Discrete Photo-diodesâ€”Part I â€” Argos Press

Design of a Laser-Warning System Using an Array of Discrete Photo-diodesâ€”Part I Author(s): Sushil Kumar; Anil Kumar Maini; V.B. Patil; Satya Prakash; R.B. Sharma.

6: Board Of Directors â€” MangoGen Pharma Inc.

Construction and components of laser - Ruby Laser, Helium - Neon Laser and semiconductor Laser Prakash C Gupta, Satya Raju R. & Parthasarathy A.

7: John E. Sell Inventions, Patents and Patent Applications - Justia Patents Search

Abstract: Fluxless laser soldering methods are used to securely bond an optical or microelectronic component to a substrate. A component is aligned on a substrate. The substrate comprises solder dams in joint areas and solder is placed in the joint areas between the dams and the component.

8: Executive Team â€” MangoGen Pharma Inc.

Describe the generation of Laser and its application in optical disc systems and holography etc. (a) 3. Learn fundamentals of Optical Fibers like numerical aperture, acceptance angle and types of optical fibers etc and applications of optical fibers in communication.

9: Syllabus - Dr. M. A. Suhail

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