United States Patent [19]

Wolfram et al.

[54] OPTICALLY PUMPED LASER

- [75] Inventors: Thomas Wolfram, Wheaton; Bruce A. Vojak, Naperville; Edward T. Maas, Jr., Batavia; Robert D. Burnham, Wheaton, all of Ill.
- [73] Assignee: Amoco Corporation, Chicago, Ill.
- [21] Appl. No.: 221,670
- [22] Filed: Jul. 20, 1988
- [51] Int. Cl.⁴ H01S 3/091
- 372/50; 372/71

 [58] Field of Search

 372/43, 45, 46, 50,

 372/69, 70, 71, 75

[45] Date of Patent: Feb. 13, 1990

[56] References Cited

U.S. PATENT DOCUMENTS

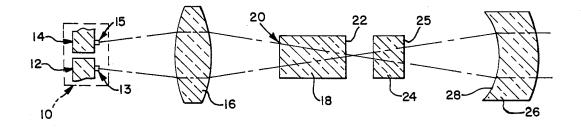
4,751,711	6/1988	Welch et al 372/46	
4,791,631	12/1988	Baumert et al 372/75	

Primary Examiner—William L. Sikes Assistant Examiner—B. R. R. Holloway Attorney, Agent, or Firm—Gary C. Cunningham; William H. Magidson; Ralph C. Medhurst

[57] ABSTRACT

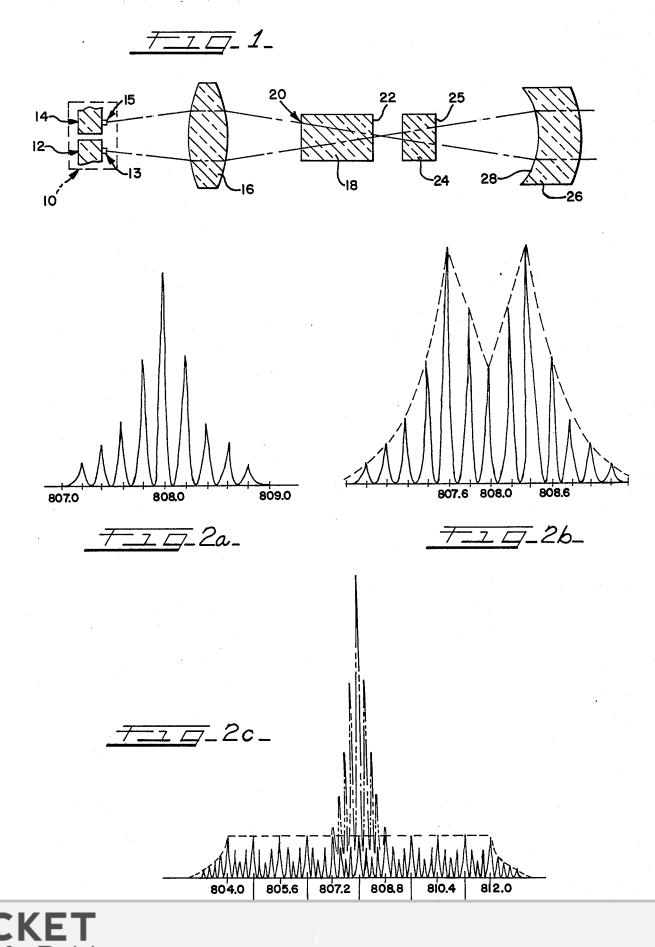
An optically pumped laser which includes a laser diode array for generating optically pumped radiation having a uniform intensity distributed over a broad band-width, and a lasant material with an absorption band for receiving radiation within such bandwidth.

27 Claims, 6 Drawing Sheets



ASML 1017

Find authenticated court documents without watermarks at docketalarm.com.

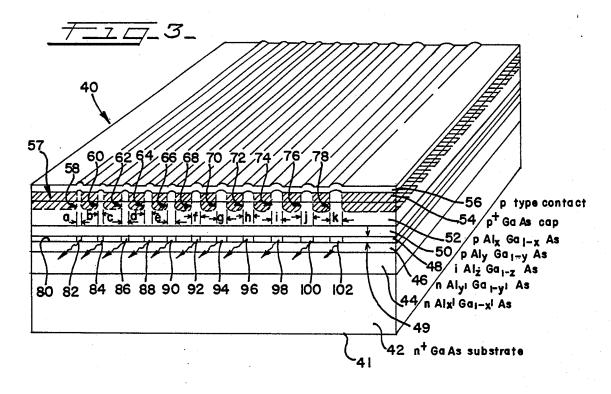


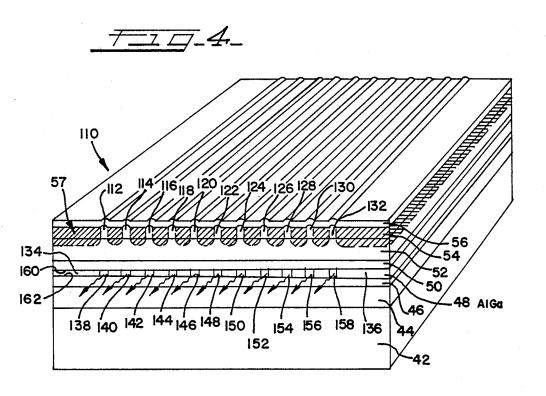
Find authenticated court documents without watermarks at docketalarm.com.

Α

R

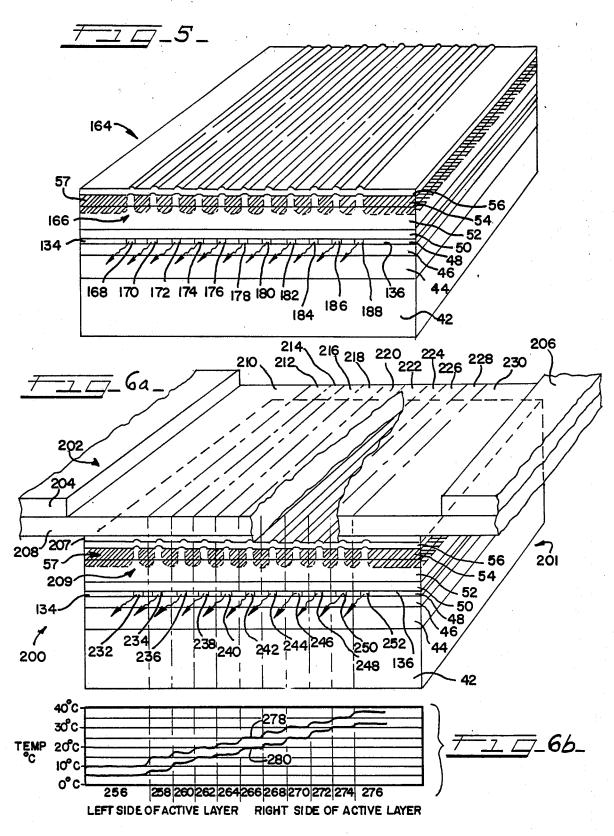
Μ





0 R М Find authenticated court documents without watermarks at docketalarm.com.

Δ

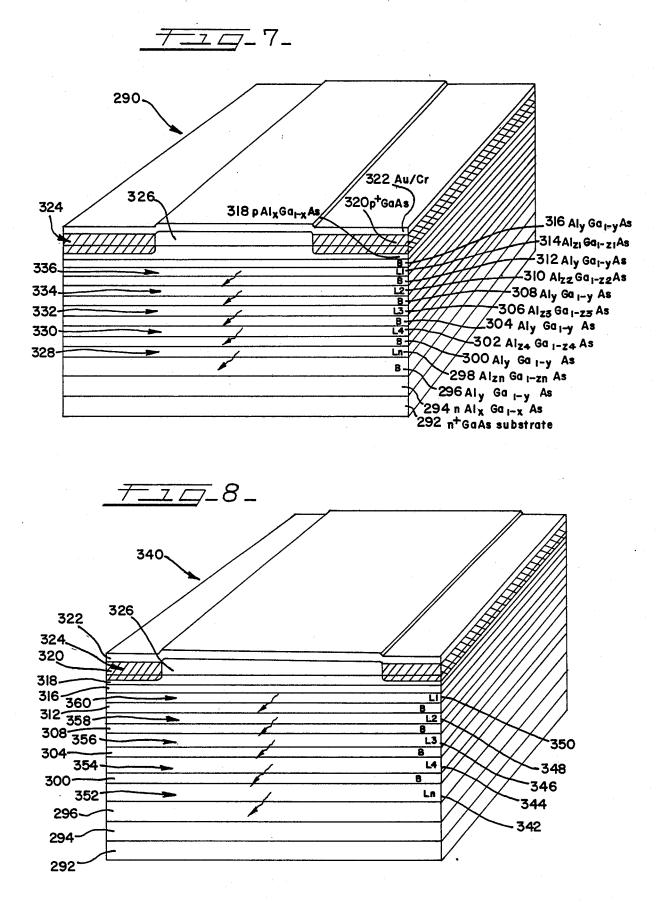


M Find authenticated court documents without watermarks at docketalarm.com.

CKF

R

Α



R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Θ

Α

DOCKET A L A R M



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.