

[54] **OPTICALLY PUMPED LASER**

[56] **References Cited**

[75] **Inventors:** Thomas Wolfram, Wheaton; Bruce A. Vojak, Naperville; Edward T. Maas, Jr., Batavia; Robert D. Burnham, Wheaton, all of Ill.

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[73] **Assignee:** Amoco Corporation, Chicago, Ill.

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[57] **ABSTRACT**

[22] **Filed:** Jul. 20, 1988

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.

[51] **Int. Cl.<sup>4</sup>** ..... H01S 3/091

[52] **U.S. Cl.** ..... 372/75; 372/46;  
372/50; 372/71

[58] **Field of Search** ..... 372/43, 45, 46, 50,  
372/69, 70, 71, 75

**27 Claims, 6 Drawing Sheets**

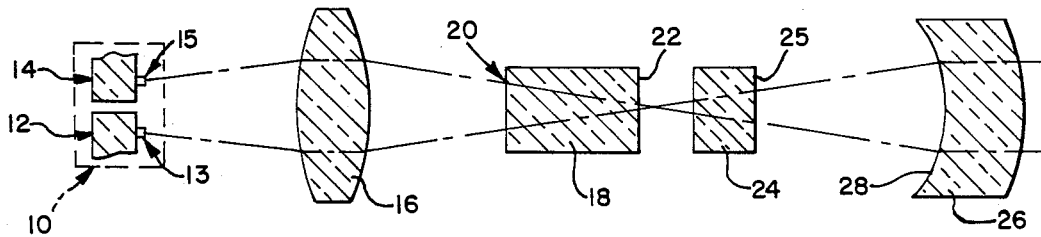


FIG-1

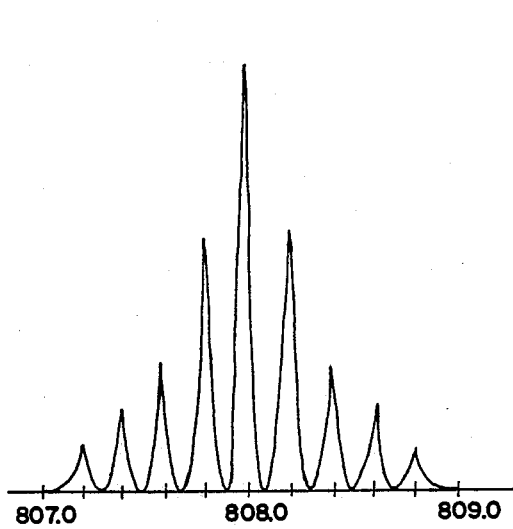
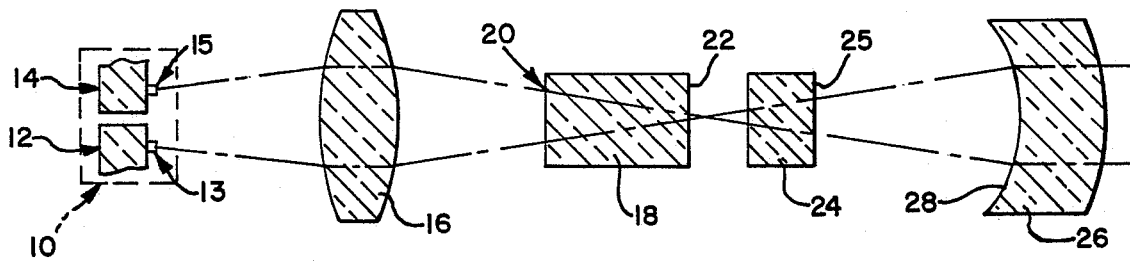


FIG-2a

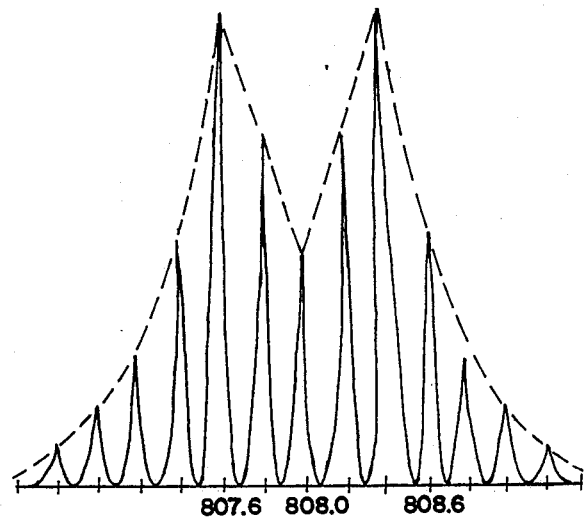
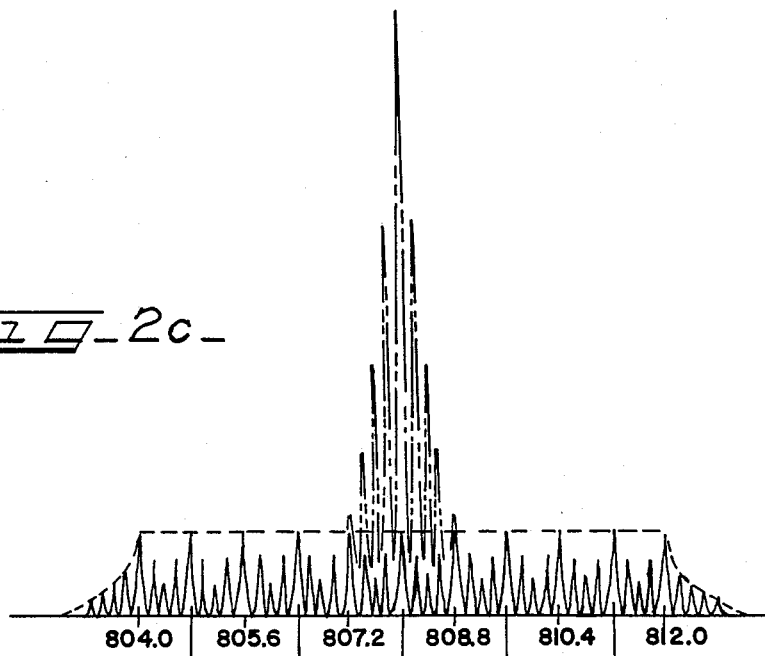
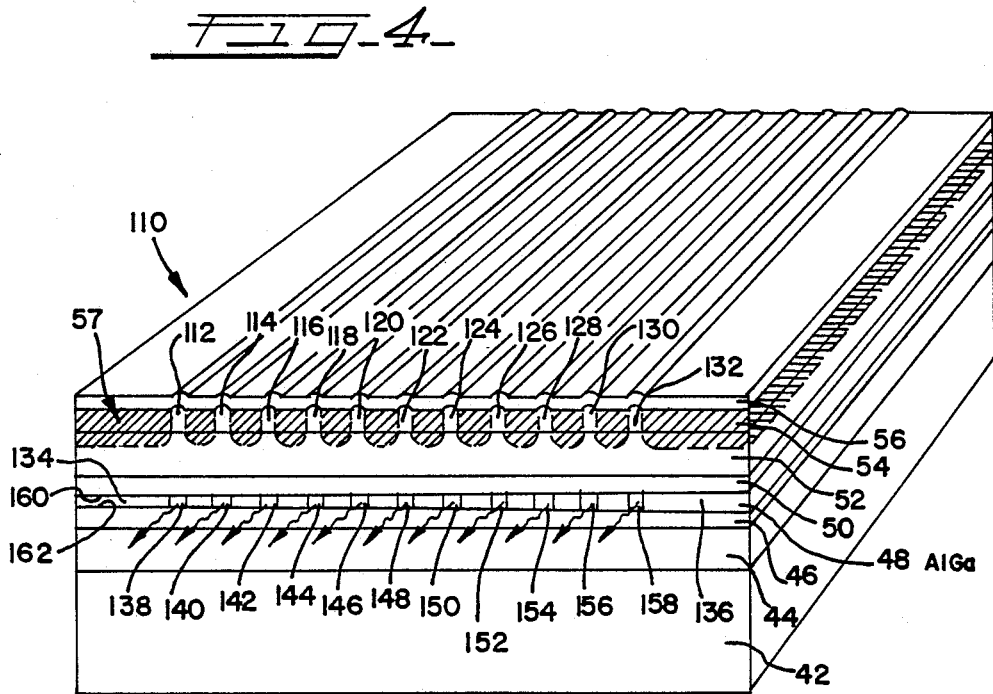
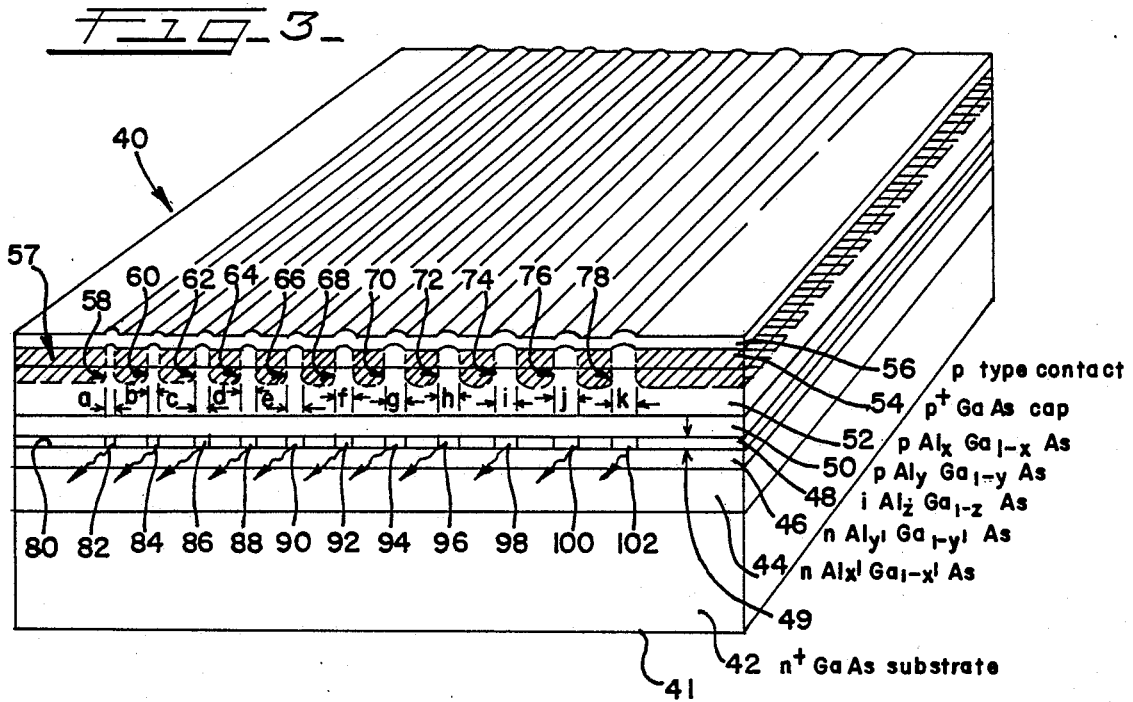


FIG-2b

FIG-2c





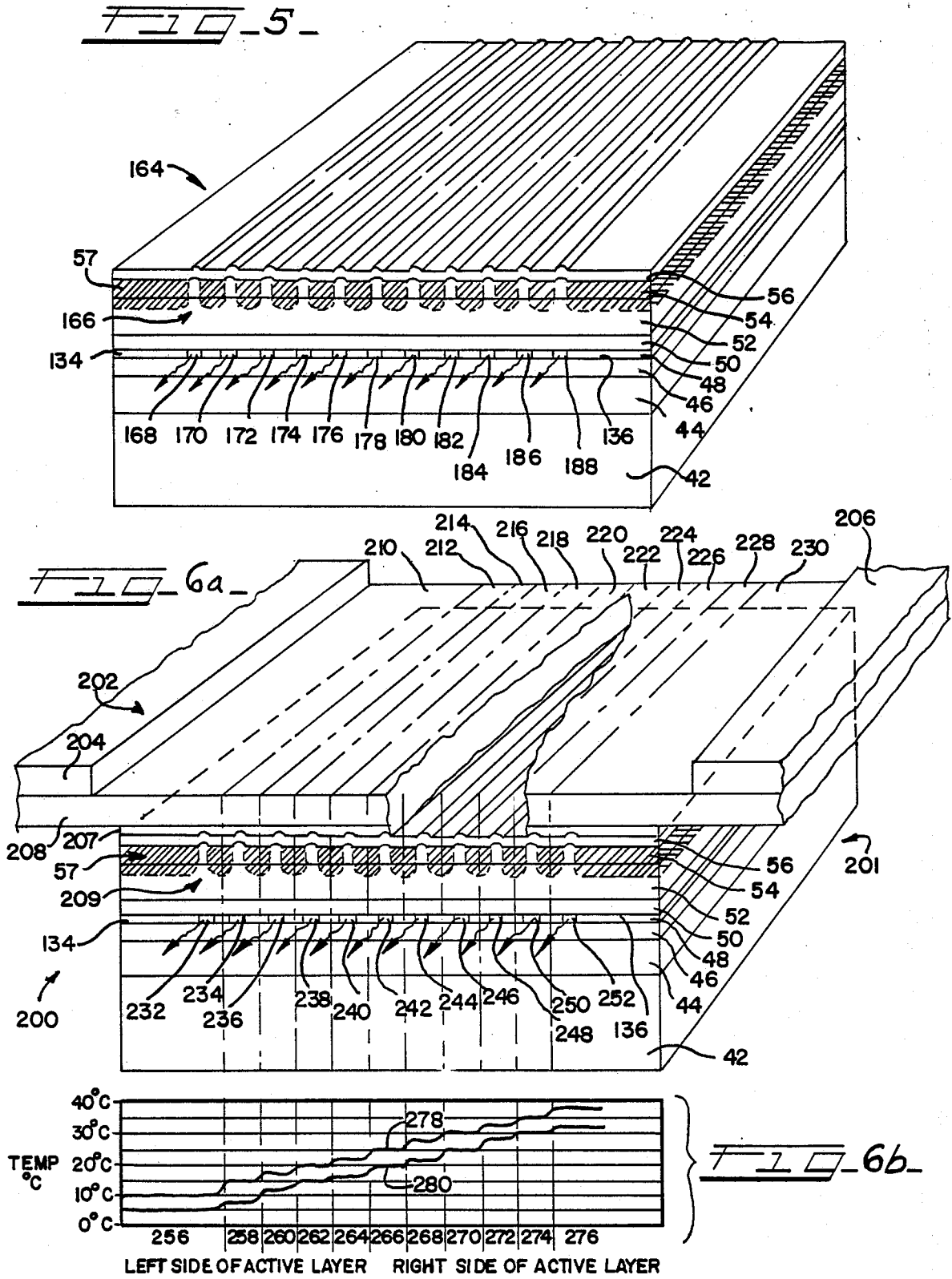


FIG-7-

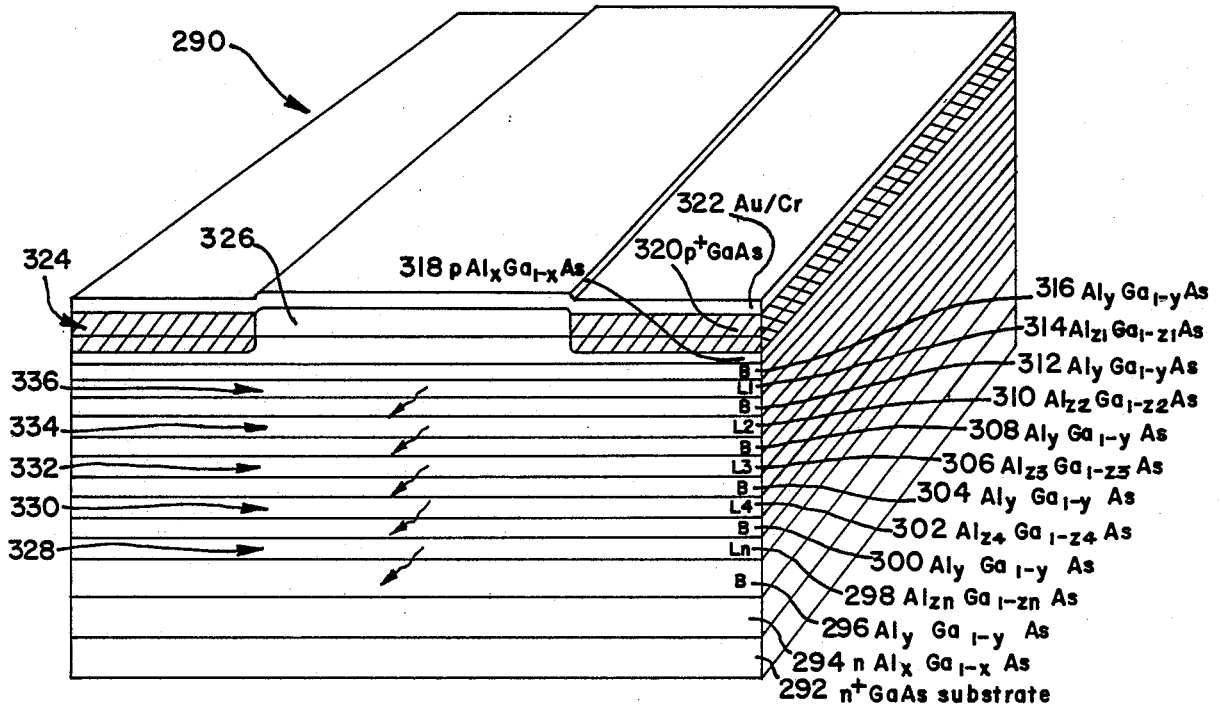
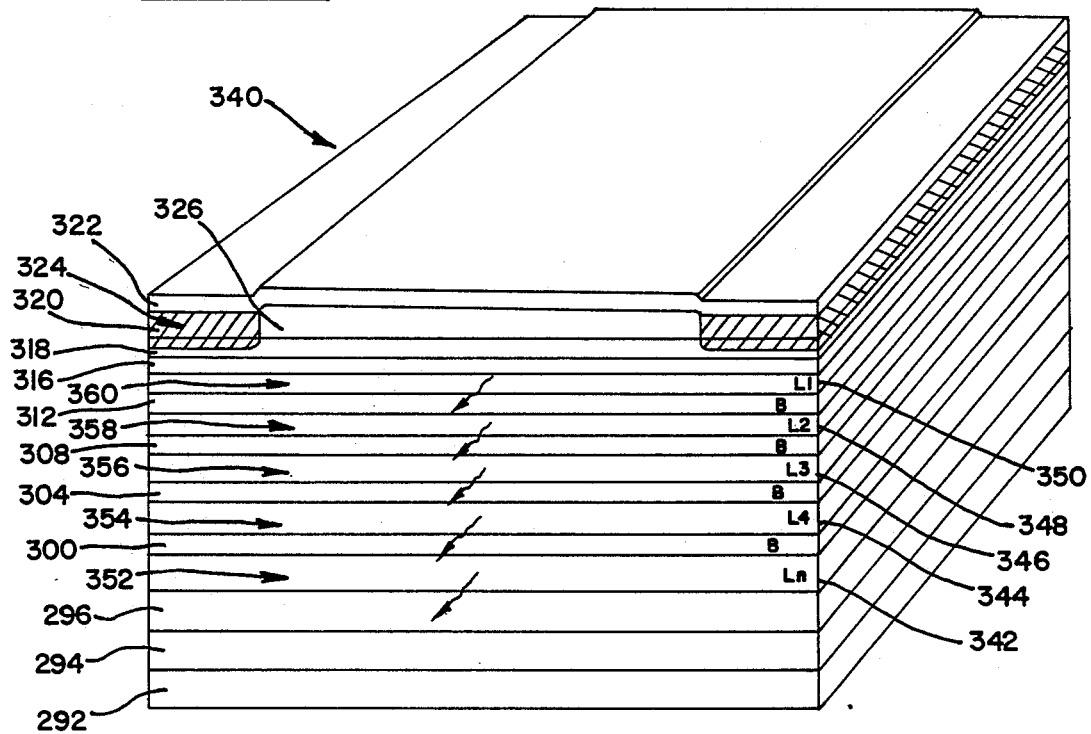


FIG-8-



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