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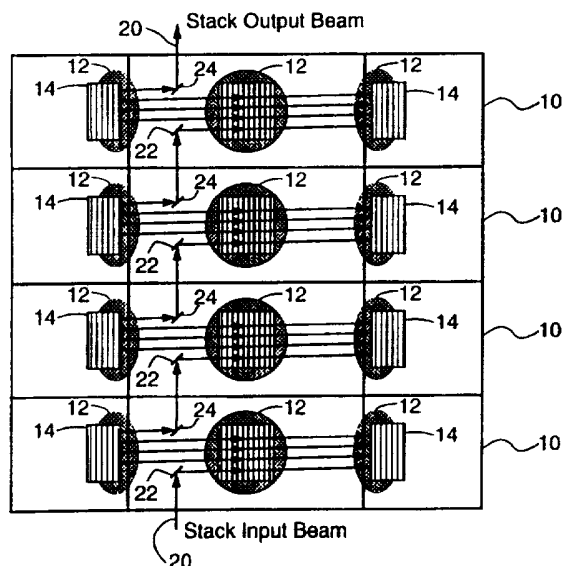
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(54) Title: SCALABLE ACTIVE MIRROR LIGHT AMPLIFIER SYSTEM

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(57) Abstract

An active mirror laser amplifier section (10) has a number of active mirror amplifier modules (30) connected together in a continuous ring. Each of the active mirror amplifier modules (30) has an active mirror (12). An input optical section (22) receives an input light (20). The input optical section (22) directs the input light (20) toward the active mirror (12) of a first of the active mirror amplifier modules (30). The input light (20) is reflected from the active mirror (12) of the first of the active mirror amplifier modules (30) to the active mirror (12) of a second of the active mirror amplifier modules (30).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/07226

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :H01S 3/081

US CL :359/347

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 359/347, 337, 343, 345, 845; 372/35, 40, 75

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 3,525,053 (CHERNOCH) 18 August 1970, see entire document.	1-21
Y	US, A, 3,631,362 (ALMASI) 28 December 1971, see entire document.	1-21
Y	US, A, 3,663,893 (OSTERMAYER JR.) 06 May 1972, see entire document.	1-21
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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