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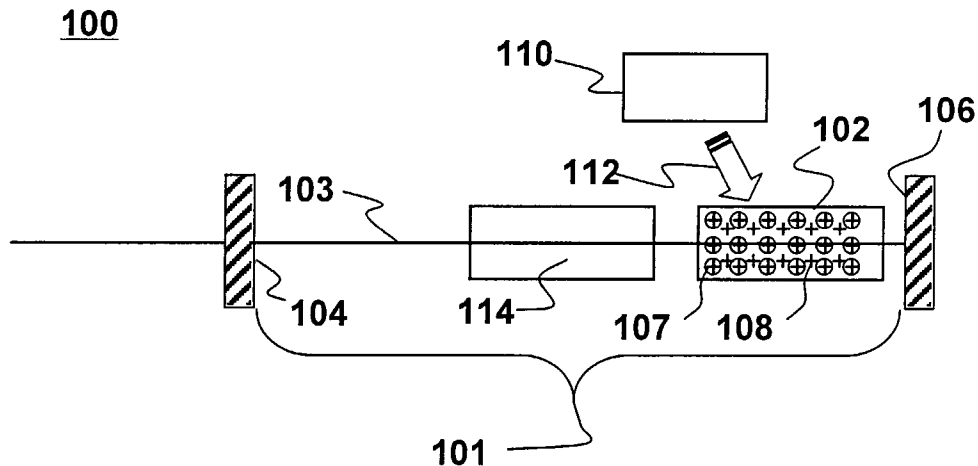
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(54) Title: LASER RESISTANT TO INTERNAL IR-INDUCED DAMAGE



(57) Abstract: Co-doping the gain medium (102) of a diode-pumped laser (100) to make the laser resistant to long-term degradation from high-intensity internal infrared radiation is disclosed. Co-doping the gain medium (102) with ions such as Cr³⁺ that make the gain medium (102) resistant to external ionizing radiation solves problems of long-term degradation of the gain medium (102).

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : H01S 3/09
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 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. : 372/19, 69

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.
X	US 5,285,467 (SCHEPS) 08 February 1994 (08.02.1994), the entire document.	1-3,5-7-15, 19-27,29-43, 45-60, 64-65
Y	US 3,335,674 (HARDY) 28 November 1967 (28.11.1967), entire document.	4, 28, 44
Y	US 3,609,389 (BJORKHOLM) 28 September 1971 (28.09.1971), entire document.	16-18, 61-63

Further documents are listed in the continuation of Box C. See patent family annex.

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