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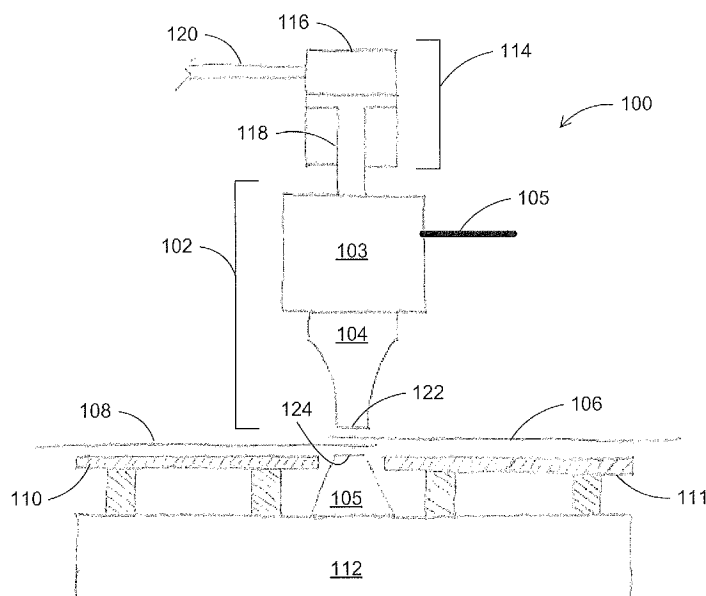


FIGURE 1

(57) Abstract: Systems and methods are disclosed that include overlapping a first portion of a first piece of flexible filter material (106) and a second portion of a second piece of flexible filter material (108). In these systems and methods, the first (106) and second (108) pieces of flexible filter material produce a desired change in a characteristic of a light beam. These systems and methods can include clamping with a positioning mechanism (114) the first piece of flexible filter material (106) and the second portion of a second piece of flexible filter material (108). In addition, these systems and methods can include producing ultrasonic vibrations with an ultrasonic transducer (103) in the first piece of flexible filter material (106) that promotes a bond between the first and second piece of flexible filter material.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 09/31319

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F21V 9/12 (2009.01)

USPC - USPC- 362/318

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)

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

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IPC(8) - F21V 9/12 (2009.01)(text delimited)

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

Google, Google Patent, PubWEST

Light, color, gel string, filter, clamping, pressure, ultrasonic, vibration, transducer, heat, bond, weld, horn, anvil, scroller, texture

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0222914 A1 (Kotchick et al.), 27 September 2007 (27.09.2007). Abstract, Para [0030], [0051], [0054], [0058], [0061], [0065]	1-20
Y	US 2006/0268558 A1 (Calmes), 30 November 2006 (30.11.2006). Abstract and Para [0031]	1-20
Y	US 2007/0068991 A1 (Handel et al.), 29 March 2007 (29.03.2007). Para [0030]	6, 7, 19, 20

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