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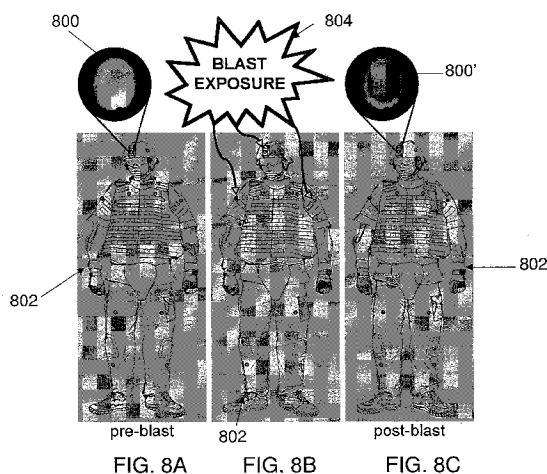


FIG. 8

(57) Abstract: A method for detecting blast induced pressure changes includes exposing a material, a contained solution, a membrane-bound solution, or a photonic crystal material, having a first optical property, to a pressure wave having a blast level. A change in the first optical property to a second optical property of the exposed material, contained solution, membrane-bound solution, or photonic crystal material is determined, and the extent of change corresponds to the blast level.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01N 3/313 (2009.01)

USPC - 73/12.01

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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USPC - 73/1.37, 1.41, 1.56, 12.01, 35.14; 600/309, 552, 561, 587

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)

Patbase, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0089480 A1 (BECK) 26 April 2007 (26.04.2007) entire document	1-27
Y	US 2008/0043248 A1 (OZCAN) 21 February 2008 (21.02.2008) entire document	1-27
A	US 2005/0052724 A1 (SUZUKI et al) 10 March 2005 (10.03.2005) entire document	1-27
A	US 4,492,121 A (LEHTO) 08 January 1985 (08.01.1985) entire document	1-27

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