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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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(54) **Title:** EVENT MONITORING DOSIMETRY APPARATUSES AND METHODS THEREOF

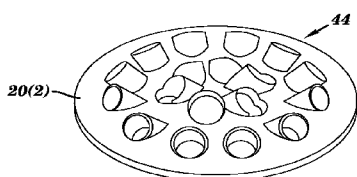


FIG. 4A

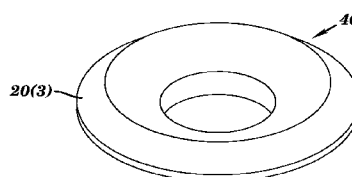


FIG. 4B

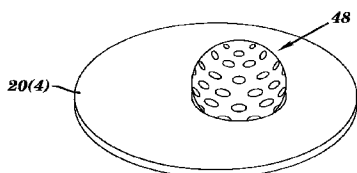


FIG. 4C

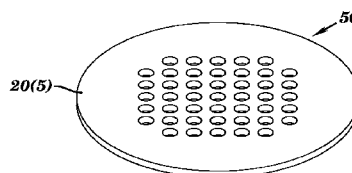


FIG. 4D

(57) **Abstract:** A dosimetry apparatus includes at least one sensor in a housing, a cover configured to permit compression waves to pass through, the cover is seated over the at least one sensor, and a dosimetry processing device with a memory. The dosimetry processing device is coupled to the at least one sensor in the housing. The dosimetry processing device is configured to execute programmed instructions stored in the memory comprising: obtaining readings from the at least one sensor; storing the readings with a time and date stamp when obtained; conducting an analysis based on the obtained readings; and outputting at least one of the stored readings or the conducted analysis.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/026622**A. CLASSIFICATION OF SUBJECT MATTER***G01T 1/02(2006.01)i, G01T 7/00(2006.01)i*

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)

G01T 1/02; G08B 5/22; H01L 29/84; G01T 1/24; G01L 11/02; G01J 1/02; G01R 27/28

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

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: dosimeter, blast, monitor, cover, sensor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010-0171514 A1 (BERNSTEIN JONATHAN J.) 08 July 2010 See abstract; paragraphs [0003]-[0006], [0037]-[0059]; figs. 3-11.	1-3, 10, 14-20, 27 , 31-34, 53
Y		4-9, 11-13, 21-26 , 28-30
A		35-52
Y	US 7378954 B2 (WENDT BARRY MYRON) 27 May 2008 See abstract; column 2, line 36 - column 11, line 61; figures 1-24.	4-9, 11-13, 21-26 , 28-30
A		1-3, 10, 14-20, 27 , 31-53
A	US 2011-0024640 A1 (KAHILAINEN JUKKA et al.) 03 February 2011 See abstract; paragraphs [0036]-[0050]; figures 3-6.	1-53
A	WO 2009-121000 A2 (THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA et al.) 01 October 2009 See abstract and figures 5, 11.	1-53

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

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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