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(54) **Title:** SYSTEMS AND METHODS FOR INTERNAL ANALYTE SENSING

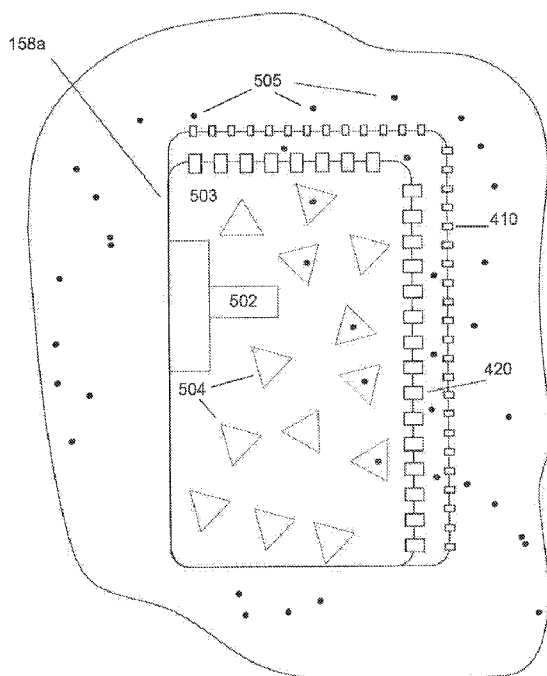


Fig. 3

(57) **Abstract:** Systems and methods for internal analyte sensing are provided. Internal analyte sensing systems may include an implantable analyte detection device. An implantable analyte detection device may be configured to communicate with an external device, and may include equilibrium binding type biological sensors. Systems for internal analyte sensing may further include external devices configured to communicate with implantable analyte detection devices and other devices.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61B 5/145, B01D 67/00, G01N 33/48 (2014.01) USPC - 264/48, 264/628, 264/642, 600/362, 600/365, 600/368, 600/377, 702/19 According to International Patent Classification (IPC) or to both national classification and IPC		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0265515 A1 (BRISTER et al.) 15 November 2007 (15.11.2007), Figs. 1, 3, 5B, 10A, 13, 14, 15A; para [0005], [0054], [0057], [0076], [0089], [0090], [0100], [0108], [0114], [0154], [0157], [0192], [0227], [0229], [0234], [0236], [0248], [0251], [0256], [0266]	1-7
X	US 2006/0213836 A1 (FISSELL et al.) 28 September 2006 (28.09.2006), Figs. 1, 4, para [0016], [0024], [0060], [0062], [0099], [0132], [0134], [0138]	8-12
Y	US 2010/0081895 A1 (ZAND) 01 April 2010 (01.04.2010), para [0005]-[0047]	1-12
Y	US 2009/0030294 A1 (PETISCE et al.) 29 January 2009 (29.01.2009), para [0006]-[0286]	1-12
Y	US 2008/0154101 A1 (JAIN et al.) 26 June 2008 (26.06.2008), para [0006]-[0122]	1-12
Y	US 2003/0036674 A1 (BOUTTON) 20 February 2003 (20.02.2003), para [0015]-[0136]	1-12
Y	US 5,624,537 A (TURNER et al.) 29 April 1997 (29.04.1997), col 3, ln 43 to col 29, ln 49	1-12
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