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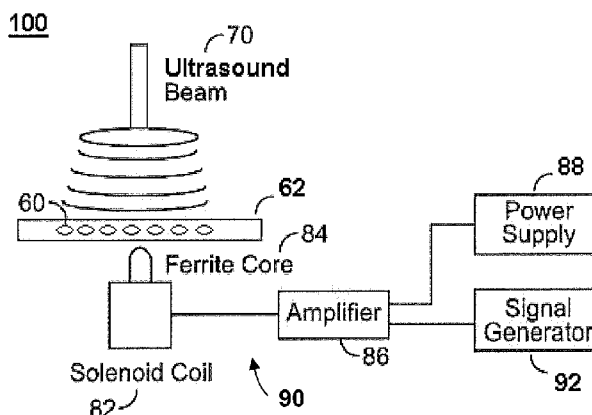
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FIGURE 1



(57) Abstract: A method and system for imaging, comprising the steps of: applying a magnetic field to a cell, wherein the cell comprises a metallic composition and the magnetic field interacts with the metallic composition; and detecting the cell by an ultrasound detection system and detecting the change in the cell caused by the interaction of the magnetic field with the metallic composition.

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INTERNATIONAL SEARCH REPORT

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61K 49/16 (2009.01) USPC - 424/9.36; 977/930 According to International Patent Classification (IPC) or to both national classification and IPC</p>														
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) USPC: 424/9.36; 977/930</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 424/9.36; 977/930 (keyword delimited)</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Electronic Databases Searched: USPTO WEST (PGPUB, EPAB, JPAB, USPT), Google Scholar Search Terms Used: magnetic field, imaging, iron-laden, macrophage or cancer or tissue, cytoplasm, color adj power, cancer cell or tissue or macrophage, ferrite core</p>														
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Oh et al., "Detection of magnetic nanoparticles in tissue using magneto-motive ultrasound" Nanotechnology, 2006, Vol 17, Number 16, 4183-4190, 28 August 2006 (28/08.2006), page 4184, 4185, 4187; figure 1</td> <td>1-12</td> </tr> <tr> <td>A</td> <td>US 2007/0010702 A1 (Wang et al.) 11 January 2007 (11.01.2007), entire document</td> <td>1-12</td> </tr> <tr> <td>A</td> <td>US 2006/0140871 A1 (Sillerud) 29 June 2006 (29.06.2006), entire document</td> <td>1-12</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	Oh et al., "Detection of magnetic nanoparticles in tissue using magneto-motive ultrasound" Nanotechnology, 2006, Vol 17, Number 16, 4183-4190, 28 August 2006 (28/08.2006), page 4184, 4185, 4187; figure 1	1-12	A	US 2007/0010702 A1 (Wang et al.) 11 January 2007 (11.01.2007), entire document	1-12	A	US 2006/0140871 A1 (Sillerud) 29 June 2006 (29.06.2006), entire document	1-12
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<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Lee W. Young</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>												