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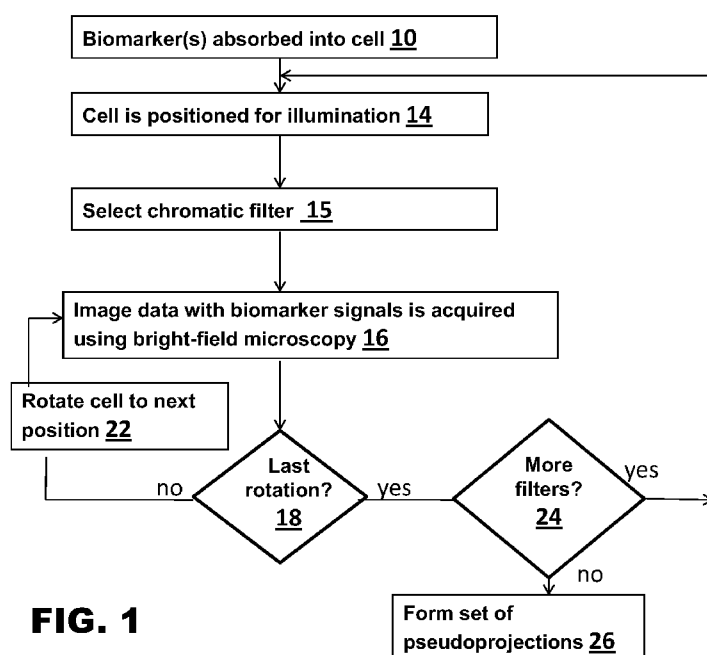
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(54) Title: FUNCTIONAL IMAGING OF CELLS OPTICAL PROJECTION TOMOGRAPHY

**FIG. 1**

(57) Abstract: A method for 3D imaging of a biologic object (1) in an optical tomography system where a subcellular structure of a biological object (1) is labeled by introducing at least one nanoparticle-biomarker. The labeled biological object (1) is moved relatively to a microscope objective (62) to present varying angles of view and the labeled biological object (1) is illuminated with radiation having wavelengths between 150 nm and 900 nm. Radiation transmitted through the labeled biological object (1) and the microscope objective (62) within at least one wavelength bands is sensed with a color camera, or with a set of at least four monochrome cameras. A plurality of cross-sectional images of the biological object (1) from the sensed radiation is formed and reconstructed to make a 3D image of the labeled biological object (1).



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B. FIELDS SEARCHED

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Korean utility models and applications for utility models since 1975.

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eKOMPASS(KIPO internal) & Keywords:"imaging, tomography, biomarker"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 2007-0238957 A1 (WAEI I. YARED) 11 October 2007 See paragraph 0095 ~ paragraph 0100, paragraph 0122,	1-4,6,7,19,24
Y	US 2007-0071357 A1 (John Richard Rahn et al.) 29 March 2007 See paragraph 0038, paragraph 0061, claim 9	1-4,6,7,19,24
A	US 2005-0085721 A1 (MARK FAUVER et al.) 21 April 2005 See the whole the document	1-41
A	US 2006-0023219 A1 (MICHAEL G. MEYER et. al) 02 February 2006 See the whole the document	1-41



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