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(71) Applicant (for all designated States except US): **UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.** [US/US]; 223 Grinter Hall, Gainesville, FL 32611 (US).

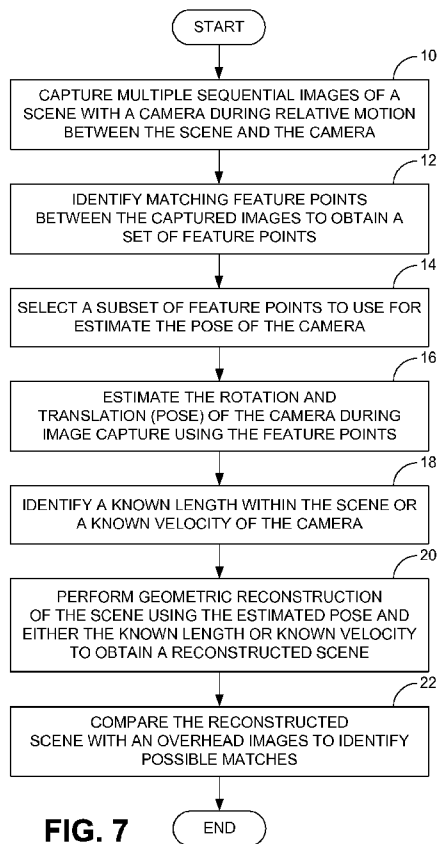
(72) Inventors; and
(75) Inventors/Applicants (for US only): **KIM, Hakjae** [US/US]; 2600 Sw Williston Rd. #1722, Gainesville, FL 32608 (US). **DIXON, Warren** [US/US]; 8681 Sw 89th Lane, Gainesville, FL 32608 (US).

(74) Agent: **RISLEY, David, R.**; THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP, 400 Interstate North Parkway, Suite 1500, Atlanta, GA 30339 (US).

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[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR ESTIMATING THE GEOGRAPHIC LOCATION AT WHICH IMAGE DATA WAS CAPTURED



(57) Abstract: In some embodiments, a system and method for estimating the geographical location at which image data was captured with a camera identifies matching feature points between the captured images, estimates a pose of the camera during the image capture from the feature points, performs geometric reconstruction of a scene in the images using the estimated pose of the camera to obtain a reconstructed scene, and compares the reconstructed scene to overhead images of known geographical origin to identify potential matches

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A. CLASSIFICATION OF SUBJECT MATTER*G06T 17/05(2011.01)i, G06T 7/00(2006.01)i*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06T 17/05; H04N 7/173; H04N 7/18; H04N 5/225; G06K 9/00

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: geographical, location, camera, capture

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0075442 A1 (WILLIAM D. MEADOW et al.) 06 April 2006 See paragraphs [0041]-[0043], figures 2, 3, and claims 1, 9, 10.	1-30
A	US 2010-0328462 A1 (CHEN XIN) 30 December 2010 See paragraphs [0015]-[0025], figure 1, and claims 1, 8.	1-30
A	US 7872669 B2 (DARRELL TREVOR J. et al.) 18 January 2011 See column 8, line 5-line 35, figure 4A, and claim 1.	1-30

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

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Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
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Authorized officer

Moon, Nam Doo

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006-0075442 A1	06.04.2006	US 2003-0163402 A1 US 2008-0152216 A1 US 2009-0138408 A1 US 7389181 B2 US 8078396 B2	28.08.2003 26.06.2008 28.05.2009 17.06.2008 13.12.2011
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US 7872669 B2	18.01.2011	US 2005-0162523 A1 WO 2005-076149 A1	28.07.2005 18.08.2005