



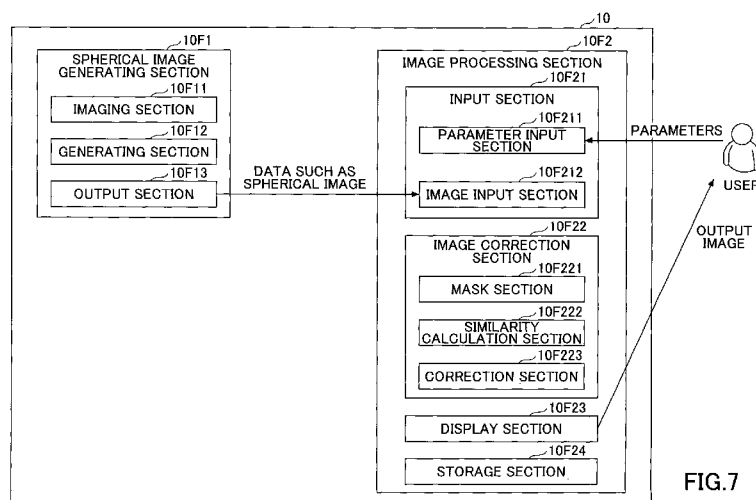
- (51) **International Patent Classification:**
G06T 5/00 (2006.01) *G06T 1/00* (2006.01)
- (21) **International Application Number:**
PCT/JP2014/083493
- (22) **International Filing Date:**
11 December 2014 (11.12.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2013-264019 20 December 2013 (20.12.2013) JP
- (71) **Applicants (for all designated States except US):** **RICOH COMPANY, LTD.** [JP/JP]; 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 1438555 (JP). **NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY** [JP/JP]; 8916-5 Takayama, Ikoma-shi, Nara, 6300192 (JP).
- (72) **Inventors; and**
- (71) **Applicants (for US only):** **NAKAGAWA, Daisuke** [JP/JP]; c/o RICOH IT SOLUTIONS CO., LTD., Harumi Island Triton Square, Office Tower X, 1-8-10, Harumi, Chuo-ku, Tokyo, 1046042 (JP). **KAWAI, Norihiko** [JP/JP]; c/o National University Corporation Nara Institute of Science and Technology, 8916-5 Takayama, Ikoma-shi, Nara, 6300192 (JP). **SATO, Tomokazu** [JP/JP]; c/o National University Corporation Nara Institute of Science and Technology, 8916-5 Takayama, Ikoma-shi, Nara, 6300192 (JP). **YOKOYA, Naokazu** [JP/JP]; c/o National Univer-

sity Corporation Nara Institute of Science and Technology, 8916-5 Takayama, Ikoma-shi, Nara, 6300192 (JP).

- (74) **Agents:** **ITOH, Tadashige** et al.; 16th Floor, Marunouchi MY PLAZA (Meiji Yasuda Seimei Building), 1-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 1000005 (JP).
- (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, BN, 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, IR, IS, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: IMAGE GENERATING APPARATUS, IMAGE GENERATING METHOD, AND PROGRAM**FIG. 7**

(57) **Abstract:** An image generating apparatus for generating an output image based on an input panorama image, includes a parameter input unit inputting an output range parameter and a correction parameter, the output range parameter designating an output range in the panorama image, the correction parameter designating a correction part to be corrected in the output image; and an image correction unit correcting the correction part designated by the correction parameter in the output image. Further, the image correction unit calculates a similarity between the correction part and peripheral pixels and corrects the correction part based on the similarity and the peripheral pixels, and the output image is generated from the output range of the panorama image and is the panorama image corrected by the correction.