

(43) International Publication Date
25 September 2014 (25.09.2014)

- (51) **International Patent Classification:**
G06T 7/00 (2006.01) *A61B 6/00* (2006.01)
- (21) **International Application Number:**
PCT/US2014/023673
- (22) **International Filing Date:**
11 March 2014 (11.03.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/799,213 15 March 2013 (15.03.2013) US
61/810,238 9 April 2013 (09.04.2013) US
61/898,392 31 October 2013 (31.10.2013) US
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(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, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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))

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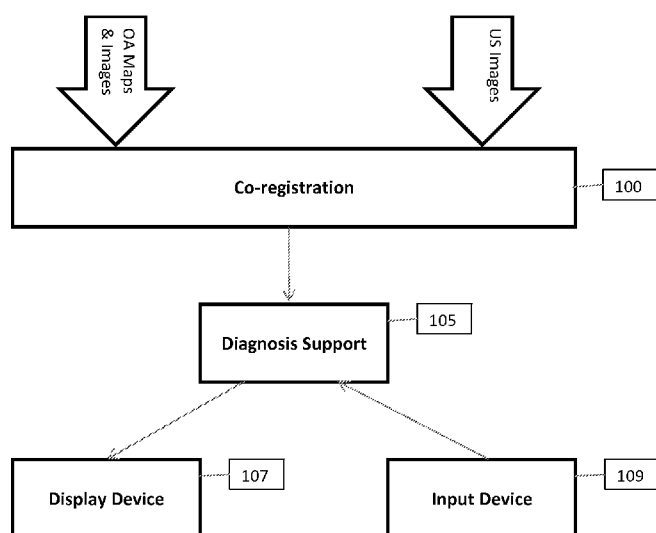
(54) **Title:** SYSTEM AND METHOD FOR DIAGNOSTIC VECTOR CLASSIFICATION SUPPORT

FIG. 1

(57) **Abstract:** The diagnostic vector classification support system and method disclosed herein may both reduce the time and effort required to train radiologists to interpret medical images, and provide a decision support system for trained radiologists who, regardless of training, have the potential to miss relevant findings. In an embodiment, a morphological image is used to identify a zone of interest in a co-registered functional image. An operator's grading of a feature at least partially contained within the zone of interest is compared to one or more computer-generated grades for the feature. Where the operator and computer-generated grades differ, diagnostic support can be provided such as displaying additional images, revising the zone of interest, annotating one or more displayed images, displaying a computer-generated feature grade, among other possibilities disclosed herein.



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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*