

(51) International Patent Classification:
H04W 88/04 (2009.01) *H04N 21/4223* (2011.01)(21) International Application Number:
PCT/IL2011/000787(22) International Filing Date:
6 October 2011 (06.10.2011)

(25) Filing Language: English

(26) Publication Language: English

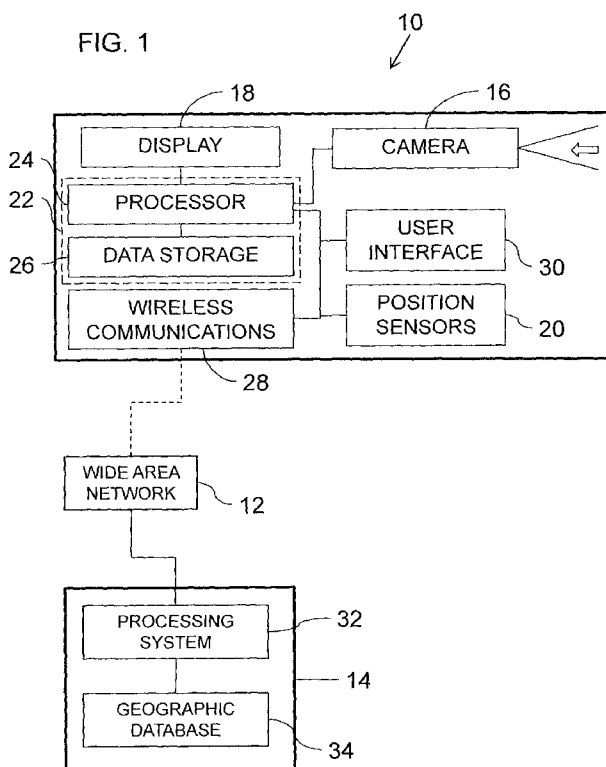
(30) Priority Data:
208600 10 October 2010 (10.10.2010) IL(71) Applicant (for all designated States except US):
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Tower, 54F, 7 Jabotinsky, 52520 Ramat Gan (IL).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU,
RW, 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, MD,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,

[Continued on next page]

(54) Title: NETWORK-BASED REAL TIME REGISTERED AUGMENTED REALITY FOR MOBILE DEVICES



(57) Abstract: A method of operating a mobile device with a camera, a display and a position sensor to provide a display of supplementary information aligned with a view of a scene. One or more image obtained from the camera is uploaded to a remote server together with corresponding data from the position sensor. Image processing is then performed to track image motion between that image and subsequent images obtained from the camera, determining a mapping between the uploaded image and a current image. Data is then received via the network indicative of a pixel location for display of supplementary information within the reference image. The mapping is used to determine a corresponding pixel location for display of the supplementary information within the current image, and the supplementary information is displayed on the display correctly aligned with the view of the scene.



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, ML, MR, NE, SN, TD, TG).

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