

(51) International Patent Classification:
G06K 9/46 (2006.01)

(21) International Application Number:

PCT/SG2014/000275

(22) International Filing Date:

12 June 2014 (12.06.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

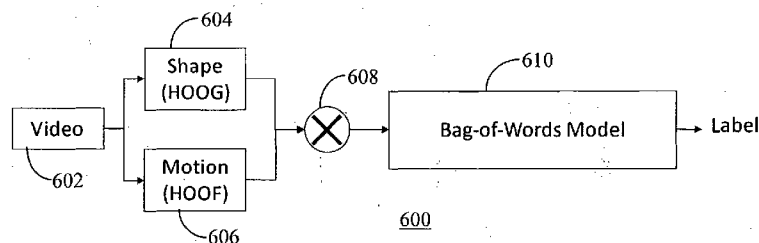
201304548-9 12 June 2013 (12.06.2013) SG

(71) Applicant: AGENCY FOR SCIENCE, TECHNOLOGY
AND RESEARCH [SG/SG]; 1 Fusionopolis Way, #20-10
Connexis, Singapore 138632 (SG).(72) Inventors: CHUA, Teck Wee; c/o PKM, Institute for In-
focomm Research, 1 Fusionopolis Way, #21-01 Connexis,
South Tower, Singapore 138632 (SG). PHAM, Nam
Trung; c/o PKM, Institute for Infocomm Research, 1 Fu-
sionopolis Way, #21-01 Connexis, South Tower, Singa-
pore 138632 (SG). LEMAN, Karianto; c/o PKM, Institute
for Infocomm Research, 1 Fusionopolis Way, #21-01 Con-
nexis, South Tower, Singapore 138632 (SG). CHANG,
Richard Philippe; c/o PKM, Institute for Infocomm Re-
search, 1 Fusionopolis Way, #21-01 Connexis, South
Tower, Singapore 138632 (SG). WANG, Yue; c/o PKM,
Institute for Infocomm Research, 1 Fusionopolis Way,
#21-01 Connexis, South Tower, Singapore 138632 (SG).(74) Agent: SPRUSON & FERGUSON (ASIA) PTE LTD;
P.O. Box 1531, Robinson Road Post Office, Singapore
903031 (SG).(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))

(54) Title: METHOD AND SYSTEM FOR HUMAN MOTION RECOGNITION

**FIG. 6**

(57) Abstract: A system and method for human motion recognition are provided. The system includes a video sequence decomposer, a feature extractor, and a motion recognition module. The video sequence decomposer decomposes a video sequence into a plurality of atomic actions. The feature extractor extracts features from each of the plurality of atomic actions, the features including at least a motion feature and a shape feature. And the motion recognition module performs motion recognition for each of the plurality of atomic actions in response to the features.