



(51) International Patent Classification:
G06F 7/00 (2006.01)

(21) International Application Number:
PCT/US2017/054313

(22) International Filing Date:
29 September 2017 (29.09.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
201610892067.X 12 October 2016 (12.10.2016) CN

(71) Applicant: **CAINIAO SMART LOGISTICS HOLDING LIMITED** [—/US]; Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman (KY).

(72) Inventors: **FENG, Mengyuan**; 5/F, Building 3, 969 West Wen Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (CN). **LI, Chungen**; 5/F, Building 3, 969 West Wen

Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (CN). **GAO, Weile**; 5/F, Building 3, 969 West Wen Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (CN). **ZHANG, Huaqiang**; 5/F, Building 3, 969 West Wen Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (CN). **CHEN, Xiaohua**; 5/F, Building 3, 969 West Wen Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (CN).

(74) Agent: **CHEN, Weiguo**; Sheppard Mullin Richter & Hampton LLP, 379 Lytton Ave., Palo Alto, CA 94301 (US).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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,

(54) Title: METHOD AND SYSTEM FOR PROVIDING INFORMATION OF STORED OBJECT

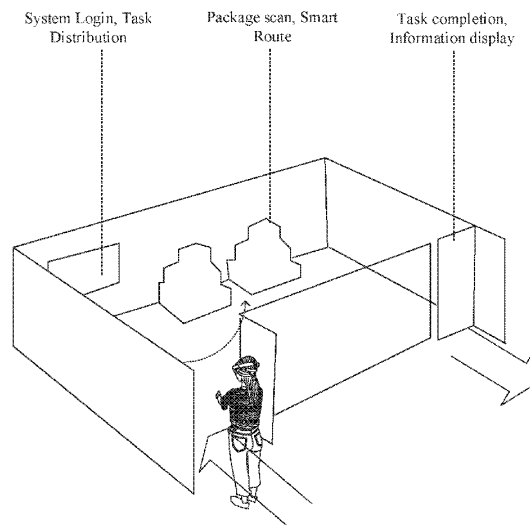


FIGURE 1

(57) Abstract: Methods and devices for providing information of a stored object are disclosed. An example method may comprise: acquiring a three-dimensional spatial model of a storage space, the three-dimensional spatial model comprising storage location information corresponding to at least one object stored inside the storage space; determining a target object stored inside the storage space, and determining a target storage location of the target stored object based on the three-dimensional spatial model; obtaining a navigation route based on location information of an augmented reality (AR) device and the target storage location; and rendering corresponding navigation information over the storage space as viewed from the AR device.

[Continued on next page]



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))