

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 February 2023 (16.02.2023)



(10) International Publication Number
WO 2023/018588 A2

(51) International Patent Classification:
G06Q 10/10 (2023.01)

(21) International Application Number:
PCT/US2022/039296

(22) International Filing Date:
03 August 2022 (03.08.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/260,112 10 August 2021 (10.08.2021) US

(71) Applicant: **PARADOX INC.** [US/US]; 6330 E. Thomas Road, Scottsdale, AZ 85251 (US).

(72) Inventors: **OST, Stephen, Derek**; 6330 E. Thomas Road, Scottsdale, AZ 85251 (US). **SMITH, Cory**; 6330 E.

Thomas Road, Scottsdale, AZ 85251 (US). **COPELAND, Jake**; 6330 E. Thomas Road, Scottsdale, AZ 85251 (US).

(74) Agent: **WOLFE, Joseph** et al.; DLA Piper LLP US, 33 Arch Street, 26th Floor, Boston, MA 02110 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) Title: CALENDAR EVENT SCHEDULING ARTIFICIAL INTELLIGENCE ASSISTANT USING NATURAL LANGUAGE

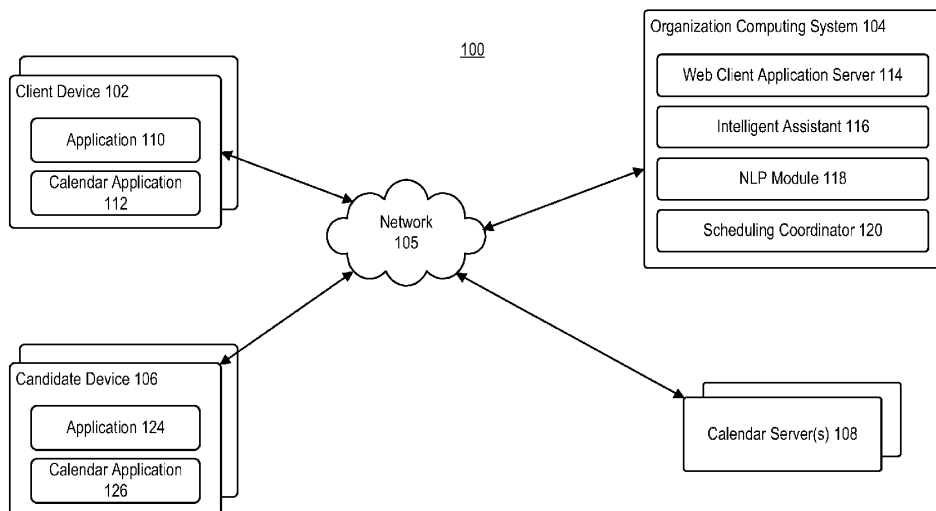


FIG. 1

(57) Abstract: An intelligent assistant of a computing system receives a first message from a first client device. The computing system interfaces with calendar servers associated with electronic calendars associated with the possible attendees to retrieve calendar information for each possible attendee. The computing system analyzes the calendar information to identify a plurality of possible time slots for the calendar event. The computing system prompts the target user to select a time slot by sending the target user a message comprising the plurality of possible time slots. The computing system receives a selection of the time slot from the plurality of possible time slots from the target user via a reply message. The computing system identifies a subset of possible attendees associated with the time slot. The computing system, in real-time, schedules the calendar event comprising the target user and the subset of possible attendees.

[Continued on next page]

(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:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*