

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 February 2023 (02.02.2023)



(10) International Publication Number
WO 2023/007460 A1

(51) International Patent Classification:

G06F 9/455 (2018.01) G06F 9/44 (2018.01)
G06F 9/445 (2018.01) H04L 29/08 (2006.01)
G06F 8/70 (2018.01) G06F 9/355 (2018.01)

(21) International Application Number:

PCT/IB2022/057075

(22) International Filing Date:

29 July 2022 (29.07.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202121034147 29 July 2021 (29.07.2021) IN

(71) Applicant: TATA COMMUNICATIONS LIMITED

[IN/IN]; C-21 and C-36, G Block, Bandra Kurla Complex,
Mumbai 400098 (IN).

(72) Inventor: SOOD, Tushar; F052, Tower 3, Assetz Marq,
Phase 1, Kannamangala, Bangalore 560067 (IN).

(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.

(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,

(54) Title: INTENT BASED SERVICE SCALING

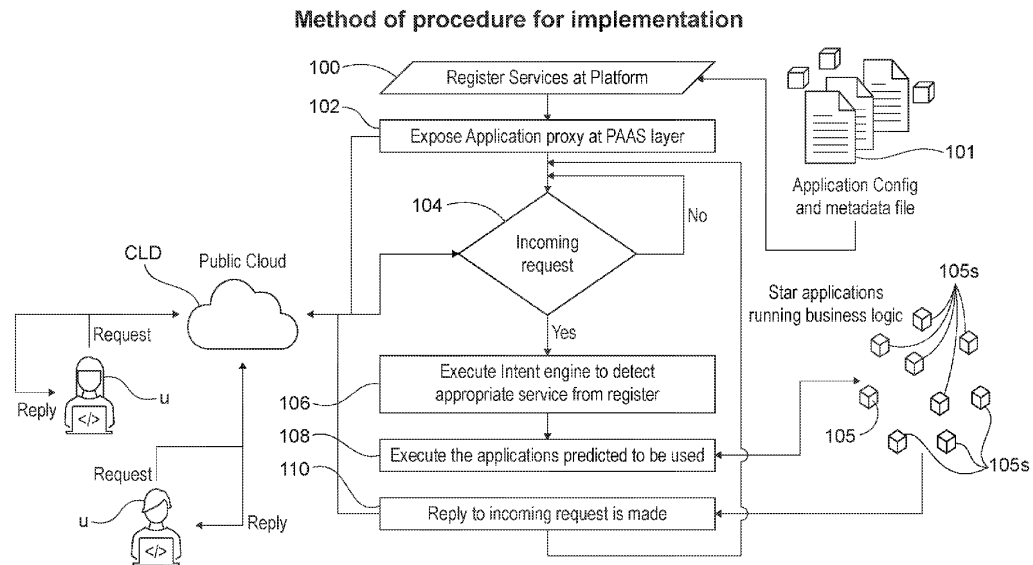


FIG. 2

(57) Abstract: A method and system for scaling services at a Platform as a Service (PaaS) layer of a server, includes, at the PaaS layer of the server, executing an application as an application proxy; exposing the application proxy to a network; receiving a service request from a user of the network who accessed the application proxy; detecting an intent of the user; predicting services that are appropriate in response to the service request of the user based on the detected intent of the user; scaling the predicted services; and scheduling the application and any other supporting applications corresponding to the scaled predicted services for execution.

[Continued on next page]

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))*
- *in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE*