



(51) International Patent Classification:

G06F 9/48 (2006.01) G06F 16/00 (2019.01)
G06F 9/50 (2006.01) G06F 9/00 (2018.01)
H04L 67/10 (2022.01)

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(21) International Application Number:

PCT/US2024/013427

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(22) International Filing Date:

30 January 2024 (30.01.2024)

(25) Filing Language:

English

(26) Publication Language:

English

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(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, MG, MK, MN, MU, 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,

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(54) **Title:** METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR SCHEDULING OF FUNCTIONS ON
DISTRIBUTED SYSTEMS

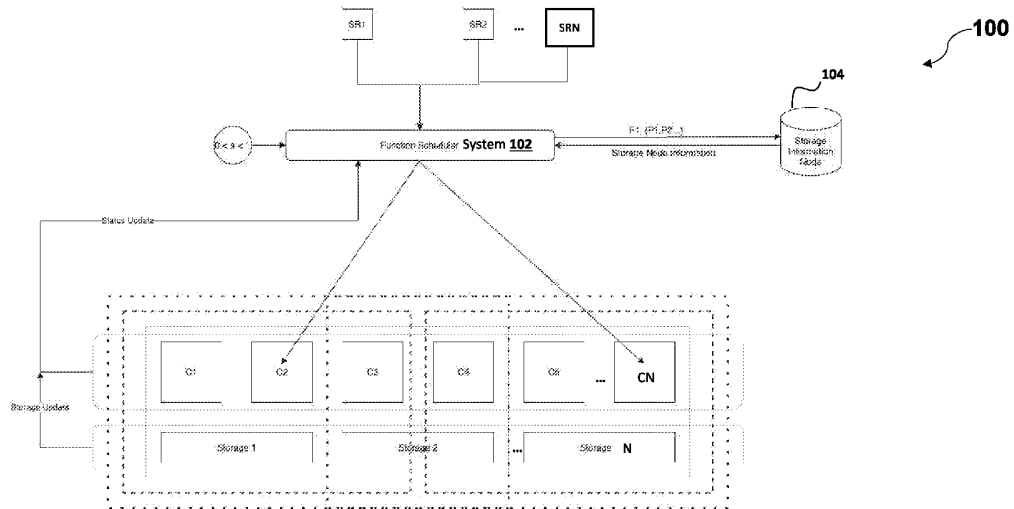


FIG. 1

(57) **Abstract:** Methods, systems, and computer program products are provided for scheduling of functions on distributed systems. The method includes storing a mapping between a plurality of data points and a plurality of storage nodes; receiving a request to execute a function, the request to execute the function including at least one identifier associated with at least one data point to be accessed by the function during execution of the function; determining, based on the at least one identifier and the mapping, at least one storage node on which the at least one data point is stored or to be stored; determining, based on distance data associated with a plurality of distances between the at least one storage node and a plurality of compute nodes, at least one compute node to schedule to execute the function; and scheduling the function for execution on the at least one compute node.

[Continued on next page]

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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))