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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 November 2023 (30.11.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/225744 A1

(51) International Patent Classification:
G06F 9/44 (2018.01) *G06F 16/27* (2019.01)
G06F 9/54 (2006.01)

(21) International Application Number:
PCT/CA2023/050696

(22) International Filing Date:
19 May 2023 (19.05.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/664,545 23 May 2022 (23.05.2022) US

(71) Applicant: **DLT GLOBAL, INC.** [CA/CA]; 55 University Avenue, Suite 1200, Toronto, Ontario M5J 2H7 (CA).

(72) Inventor: **SRIVASTAVA, Neeraj**; 55 University Avenue, Suite 1200, Toronto, Ontario M5J 2H7 (CA).

(74) Agent: **POWELL, Matthew**; c/o Dickinson Wright LLP, 199 Bay Street, Suite 2200, Commerce Court West, Toronto, Ontario M5L 1G4 (CA).

(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,

(54) Title: ASIK: MODULAR INTERFACE TO BLOCKCHAIN

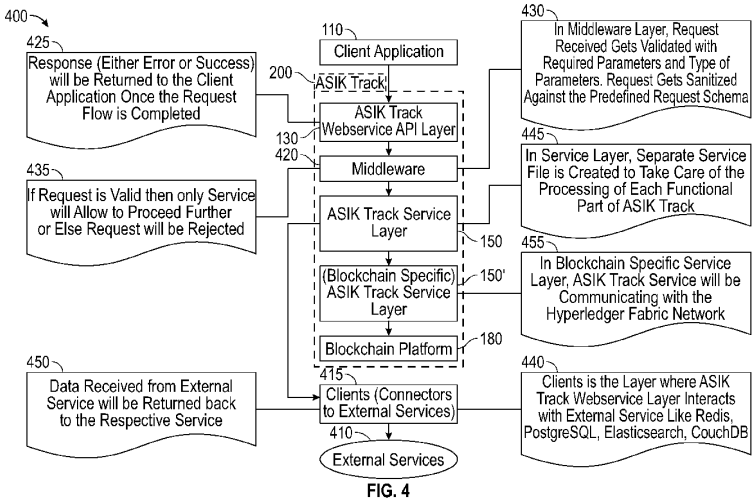

FIG. 4

(57) **Abstract:** An Application Specific Integrated Kernel (ASIK) is a modular interface that provides generic solutions to major business needs without the developer having to understand the Blockchain. The ASIK is a collection of APIs for essential use cases that are frequently performed on the Blockchain. The APIs are synchronized with business logic on a Chaincode. A web service layer of the ASIK identifies the business requirements and exposes representational state transfer (REST) APIs from a bundle that may be needed to fulfill a task or operation. A certain transaction request made by the end user is carried out by a generic collection of preconceived scenarios that is configured by the input data collected from the request and converted to Blockchain transactions by the Chaincode. Once the transaction is successfully performed on the Blockchain, the response travels back to the user in the form of a viable output.

WO 2023/225744 A1

[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).

Declarations under Rule 4.17:

— *as to the identity of the inventor (Rule 4.17(i))*
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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*