

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
03 October 2019 (03.10.2019)



(10) International Publication Number  
**WO 2019/186282 A1**

- (51) International Patent Classification:  
*H04L 29/06* (2006.01) *H04L 29/08* (2006.01)
- (21) International Application Number:  
PCT/IB2019/000463
- (22) International Filing Date:  
29 March 2019 (29.03.2019)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
62/650,183 29 March 2018 (29.03.2018) US
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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, 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, 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.

(54) Title: UPDATEABLE SMART CONTRACTS

SIMPLE CASE: ONE SERVICE CONTRACT, SERVICE CONTRACT ADDRESS UPDATED BY EXTERNAL CALL

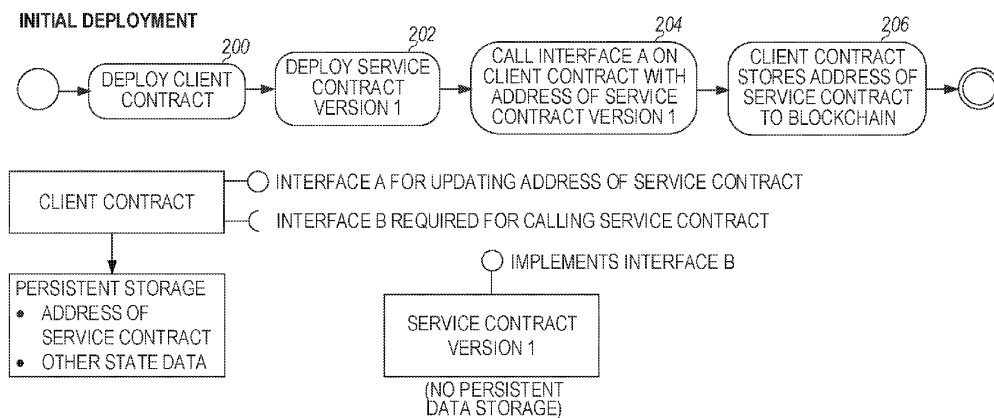


FIG. 2A

(57) Abstract: A parent/child model for smart contracts enables the smart contracts to be updateable without compromising the immutability of the underlying data. As a first step, a parent smart contract (Client Contract) is deployed that stores any other contract that may be called using the contract address. Then, whenever a new child smart contract (Service Contract) is deployed, the parent smart contract is updated with the address of the new child smart contract so that the parent smart contract will be able to call the child smart contract. The structure of the child smart contract is known to the parent smart contract. For example, the number of inputs going into the child smart contract and the number of outputs coming out of the child smart contract are known to the parent smart contract before deployment of the parent smart contract, and the transaction data remains accessible without affecting the parent contract.

[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:**

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*