



- (51) International Patent Classification:
G06F 21/60 (2013.01) *G06F 21/62* (2013.01)
- (21) International Application Number:
PCT/US2017/067455
- (22) International Filing Date:
20 December 2017 (20.12.2017)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
15/414,492 24 January 2017 (24.01.2017) US
- (71) Applicant: MICROSOFT TECHNOLOGY LICENSING, LLC [US/US]; One Microsoft Way, Redmond, WA 98052-6399 (US).
- (72) Inventor: COSTA, Manuel; Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, WA 98052-6399 (US).

- (74) Agent: MINHAS, Sandip, S. et al.; Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, WA 98052-6399 (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, 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.

- (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: DATA SEALING WITH A SEALING ENCLAVE

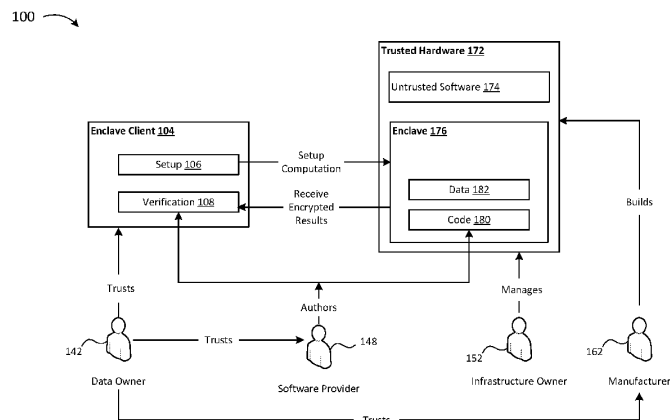


FIG. 1

- (57) Abstract: Techniques for securely sealing and unsealing enclave data across platforms are presented. Enclave data from a source enclave hosted on a first computer may be securely sealed to a sealing enclave on a second computer, and may further be securely unsealed for a destination enclave on a third computer. Securely transferring an enclave workload from one computer to another is disclosed.

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 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))*