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(54) Title: USING DECENTRALIZED NETWORKS TO ENSURE TRANSPARENCY IN REMOTE DEVICE OPERATION

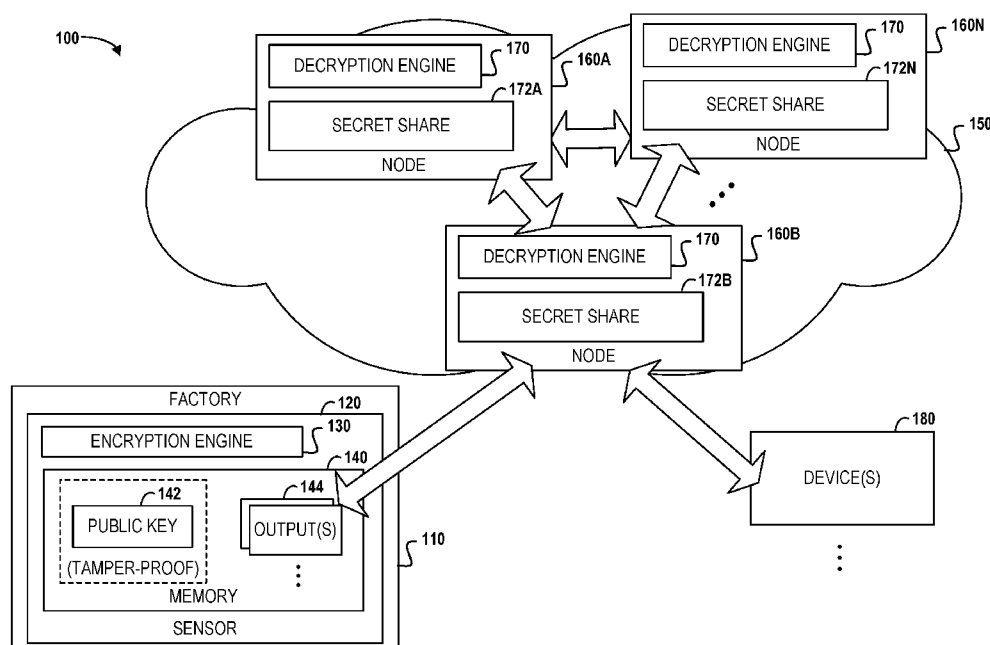


FIG. 1

(57) Abstract: Systems and methods are disclosed for using decentralized networks to ensure transparency in remote device operation. In one implementation, outputs are received from a sensor and encrypted using a public cryptographic key. The encrypted outputs are transmitted to nodes within a decentralized network. At least one of the nodes within the decentralized network receives the encrypted outputs and decrypts the received encrypted outputs using a share of a network key.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2017/0142082 A1 (SENGI CORPORATION) 18 May 2017; paragraph; [0035], [0039], [0046]-[0049], [0057], [0062]	1-22
Y	US 2020/0266989 A1 (ELECTRIC SOCIETY SA) 20 August 2020; Paragraphs [0024], [0036], [0142], [0162], [0224]	1-22
Y	US 10,791,107 B2 (ALIBABA GROUP HOLDING LIMITED) 29 September 2020; column 23, lines 17-19	5,8

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

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