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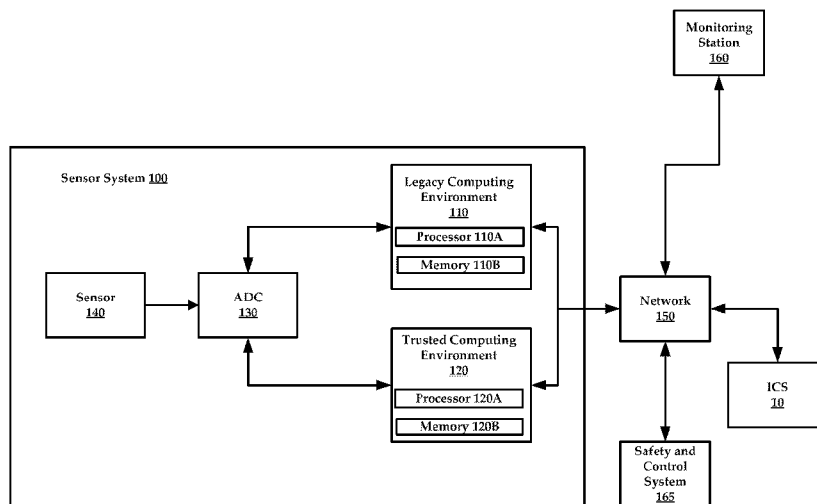


FIG. 1

(57) Abstract: Secured automated or semi-automated systems are provided herein. In one embodiment, a sensor system includes a sensor, a legacy computing environment that is configured to communicate with the sensor and process sensor raw data output, and transmit the processed sensor output to a first network node over the network, and a trusted computing environment configured to receive raw sensor output directly from the sensor and transmit the raw sensor output to an additional network node or the first network node over the network.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04L 29/06 (2015.01)

CPC - H04L63/0428, H04L29/06, H04L63/0823, H04L63/08, H04L63/0442

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): H04L 29/06 (2015.01); CPC: H04L63/0428, H04L29/06, H04L63/0823, H04L63/08, H04L63/0442

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 713/153, 713/150, 713/188, 702/188

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PatBase, ProQuest Dialog, Google Web, Google Patents (Search terms: legacy computing environment, server, application, system, device, sensor, detector, actuator, clean, clear, wipe, erase, purge, malware, virus, malicious, infection, malfunction, memory, replace, overwrite, program, software, intelligent node, programmable, load, reprogram, etc.)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	EP 1,901,145 A2 (Hertel et al.) 19 March 2008 (19.03.2008), para. [0043], [0045], [0048], [0052]-[0053], [0057]-[0058], [0065]-[0067], [0079], [0086], [0118], [0120], [0133]-[0134], [0157], [0205]-[0206], [0223], and [0235]-[0236], and Fig. 5.	1, 5, 8, 12-15, 18-21, 23 2-4, 6-7, 9-11, 16-17, 22
Y	US 2007/0067844 A1 (Williamson et al.) 22 March 2007 (22.03.2007), para. [0022], [0024], [0026], [0029], [0031], [0072], [0082]-[0083], [0085], and [0127].	2-4, 6-7, 9-10, 16-17
Y	US 6,574,234 B1 (Myer et al.) 03 June 2003 (03.06.2003), col. 3, ln. 17-18, 22-23, and 37-44, col. 4, ln. 60-64, col. 7, ln. 32-39, col. 8, ln. 42-54, col. 12, ln. 48-57, col. 13, ln. 60 to col. 14, ln. 9, col. 17, ln. 4-6 and 46-49, col. 19, ln. 56-62, and col. 20, ln. 1-2, 15-20, and 28-36, and Figs. 1, 3A-3B, and 5.	3, 11, 22

Further documents are listed in the continuation of Box C.

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Date of the actual completion of the international search 07 June 2015 (07.06.2015)	Date of mailing of the international search report 06 JUL 2015
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