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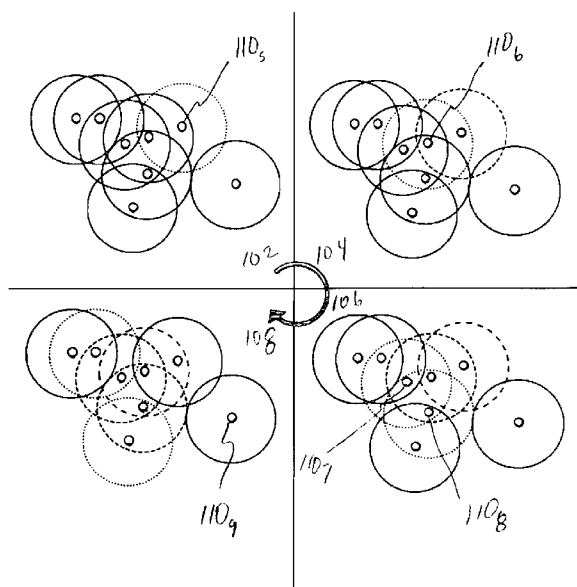
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[Continued on next page]

(54) Title: EMERGENT NETWORK DEFENSE SYSTEM



—	Nervousness: None (0)
.....	Nervousness: Low (State 1)
-----	Nervousness: Moderate (State 2)
- . - .	Nervousness: High (State 3)

Figure 1: Network Nervousness Assessment

(57) Abstract: A system and method are provided of a node for use in a network having a plurality of nodes. The node is configured to identify neighboring node(s) within a predetermined closeness of said node, measured by any of physical, logical, network hops, network link, or vertices analysis closeness. The node determines a level of nervousness of itself and sends and/or receives communication as to the level of nervousness to the neighboring node(s).



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 13/60425

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - G06F 19/00 (2015.01), G06F 15/173 (2015.01)
 CPC - H04L43/00

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)
 CPC: H04L43/00; IPC(8): G06F 19/00 (2015.01), G06F 15/173 (2015.01); USPC: 709/224

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 CPC: H04L29/08072, H04L29/06, H04L43/00, H04L12/2602, H04L41/22, H04L63/1441; USPC: 726/25, 726/13, 709/224, 726/26, 726/4, 709/225 (keyword limited; terms below)

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

Search Terms: node, network, graph, computer, machine, neighbor, proximity, adjacent, closeness, nervous, anxious, paranoia, transmit, spread, notify, stigmergy, pheromone

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0132166 A1 (SAFFRE) 16 June 2005 (16.06.2005), entire document, especially abstract and para [0009], [0026], [0045]-[0050], [0059], [0064]-[0065], [0067]-[0071], [0076]-[0079], [0090]-[0091], [0093], [0095]-[0096], [0099]-[0103], [0109], [0111]-[0113], [0119], [0121], Fig. 1, Fig. 2, claim 1, claim 21.	1-21
A	US 2005/0149728 A1 (SAFFRE) 07 July 2005 (07.07.2005), entire document.	1-21
A	US 2003/0142851 A1 (BRUECKNER et al.) 31 July 2003 (31.07.2003), entire document.	1-21

☐ Further documents are listed in the continuation of Box C.

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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