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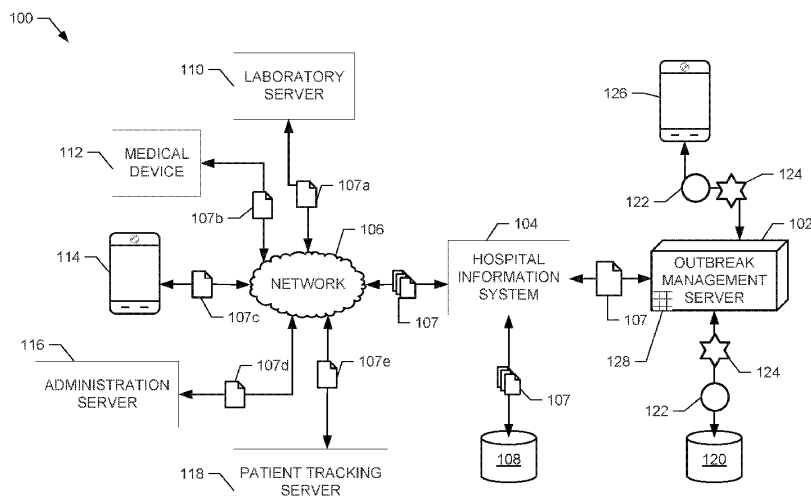


FIG. 1

(57) Abstract: A graph database for outbreak tracking and management is disclosed. In an example, an outbreak management system includes a memory device storing instructions that define a graph database for disease outbreak tracking. The instructions specify, for a given host, that a host node is created and an episode node is connected to the host node via a 'case' link. Additionally, the instructions specify that a rule node is connected to the episode node via a 'found' link. The rule node is associated with a workflow, an assignment, and a notification, and includes at least one defined condition. If a condition is satisfied for a case, the rule node is linked to the episode node. This linkage causes the workflow to be added for the episode node, the episode node to be assigned to an individual or a team, and a notification to be generated regarding an association with the rule.

[Continued on next page]

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