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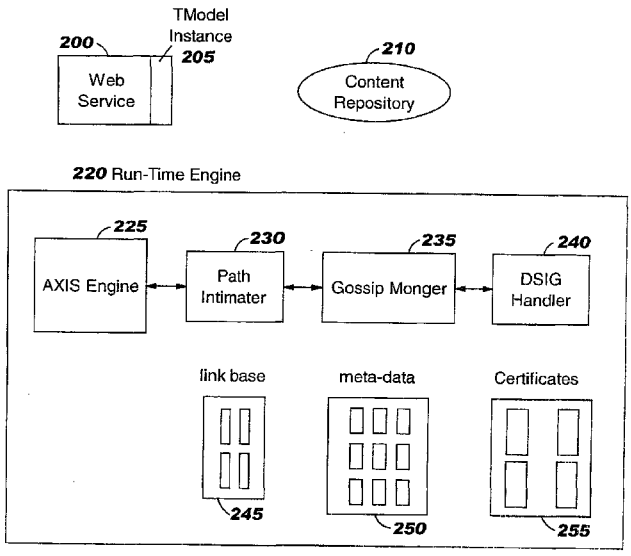
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(54) Title: DYNAMIC ADDRESSING IN TRANSIENT NETWORKS



(57) Abstract: Methods, systems, and computer program products are disclosed for, in one aspect, persisting identifiers and relationships in a transient peer-to-peer networking environment where communities have ad hoc participants. Persistent identifiers are defined for nodes, allowing nodes to be identified across sessions and invocations, even though they re-enter the network with a different network address. Paths taken by content resources as they traverse the network (*e.g.* which nodes forwarded the content) are persisted, along with reputation information about nodes (*e.g.* indicating how successful they are at answering queries from peers). Trust relationships can be derived using the persisted information. A tiered broadcast strategy is defined for reducing the number of messages exchanged. Other aspects are also disclosed.

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