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(54) Title: INTEROPERABLE SYSTEMS AND METHODS FOR PEER-TO-PEER SERVICE ORCHESTRATION

(57) Abstract: Systems and methods are described for performing policy-managed, peer-to-peer service orchestration in a manner that supports the formation of self-organizing service networks that enable rich media experiences. In one embodiment, services are distributed across peer-to-peer communicating nodes, and each node provides message routing and orchestration using a message pump and workflow collator. Distributed policy management of service interfaces helps to provide trust and security, supporting commercial exchange of value. Peer-to-peer messaging and workflow collation allow services to be dynamically created from a heterogeneous set of primitive services. The shared resources are services of many different types, using different service interface bindings beyond those typically supported in a web service deployments built on UDDI, SOAP, and WSDL. In a preferred embodiment, a media services framework is provided that enables nodes to find one another, interact, exchange value, and cooperate across tiers of networks from WANs to PANs.