Title (en)
MULTI-MODAL NETWORK AND METHOD FOR DISTRIBUTING RESOURCES IN A MULTI-MODAL NETWORK

Title (de)
MULTI-MODALES NETZ UND VERFAHREN ZUR VERTEILUNG VON RESSOURCEN IN EINEM MULTI-MODALEN NETZ

Title (fr)
RÉSEAU MULTIMODAL ET PROCÉDÉ DE DISTRIBUTION DE RESSOURCES DANS UN RÉSEAU MULTIMODAL

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Application
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Abstract (en)
[origin: WO2014079605A1] The invention relates to a multi-modal network for distributing resources, wherein the network comprises a plurality of subnetworks (SN1, SN2), wherein at least two subnetworks (SN1, SN2) each distribute different resources and the resources of each of the subnetworks (SN1, SN2) are selected from fossil fuel, electrical energy, water, heat and cold,. The subnetworks (SN1, SN2) comprise a plurality of resource processing units. At least a portion of the resource processing units are transforming units (TU) which couple the subnetworks (SN1, SN2) together and transform the resources of one or more subnetworks (SN1, SN2) into one or more other resources of one or more other subnetworks (SN1, SN2), and at least a portion of the resource processing units are resource consumption units and/or resource provision units. At least one agent (PA) is assigned to each of the resource processing units, wherein the agents (PA) are networked together in such a manner that each agent (PA) is able to communicate with other agents (PA) in the network. The network is designed in such a manner that the resources are distributed in the network at least partially on the basis of monetary transactions negotiated between the agents (PA).

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