

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

Publication

EP 2904554 A1 20150812 (DE)

Application

EP 13771422 A 20130920

Priority

- DE 102012221291 A 20121121
- EP 2013069552 W 20130920

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).

IPC 8 full level

G06Q 10/04 (2012.01); **H02J 3/00** (2006.01)

CPC (source: EP US)

G06Q 10/04 (2013.01 - EP US); **G06Q 10/06313** (2013.01 - EP US); **G06Q 30/0613** (2013.01 - EP US); **G06Q 50/06** (2013.01 - EP US); **H02J 3/008** (2013.01 - EP US); **Y04S 50/10** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012221291 A1 20140522; CN 104781838 A 20150715; EP 2904554 A1 20150812; US 2015286973 A1 20151008; WO 2014079605 A1 20140530

DOCDB simple family (application)

DE 102012221291 A 20121121; CN 201380060812 A 20130920; EP 13771422 A 20130920; EP 2013069552 W 20130920; US 201314646201 A 20130920