

Title (en)
DECENTRALIZED ENERGY SYSTEM AND METHOD FOR DISTRIBUTING ENERGY IN A DECENTRALIZED ENERGY SYSTEM

Title (de)
DEZENTRALES ENERGIENETZ UND VERFAHREN ZUR VERTEILUNG VON ENERGIE IN EINEM DEZENTRALEN ENERGIENETZ

Title (fr)
RÉSEAU DÉCENTRALISÉ DE DISTRIBUTION D'ÉNERGIE, ET PROCÉDÉ DE DISTRIBUTION D'ÉNERGIE DANS UN RÉSEAU DÉCENTRALISÉ

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Application
EP 08701372 A 20080110

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Abstract (en)
[origin: WO2009040140A1] Decentralized energy system and method for distributing energy in a decentralized energy system. In order to ensure the robustness of decentralized energy systems and suitable distribution of the energy in such networks to a large number of energy consumption units, the energy system according to the invention comprises corresponding agents, wherein at least one agent is associated with each energy consumption unit and/or energy generation unit in the decentralized energy system. In this case, the agents are interlinked in such a way that each agent can communicate with other agents in the energy system. According to the invention, each change in the power output or power consumption requires a trade act, as a result of which large balance errors are avoided. In order to make this coupling between electrical and monetary acts practicable, current consumption contracts of an extremely wide variety can be drawn up between generators and consumers. In this case, the energy system is designed in such a way that the energy is distributed in the system at least partially on the basis of monetary transactions arranged between the agents.

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G05B 15/02 (2013.01 - EP US); **G06Q 40/04** (2013.01 - EP US); **H02J 3/008** (2013.01 - EP US); **H02J 3/381** (2013.01 - EP US); **H02J 13/00002** (2020.01 - EP US); **Y02B 10/30** (2013.01 - EP US); **Y02E 40/70** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP US); **Y04S 10/12** (2013.01 - EP); **Y04S 10/30** (2013.01 - EP US); **Y04S 10/50** (2013.01 - EP US); **Y04S 50/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2009040140A1

Citation (examination)
US 2007124026 A1 20070531 - TROXELL WADE [US], et al

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US10641810B2; US8712732B2; US9857449B2; US10345423B2; US9766277B2; US10371728B2; US10459012B2; US8094034B2; US8334784B2; US10247765B2; US11119141B2

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AL BA MK RS

DOCDB simple family (publication)
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EP 2008050216 W 20080110; CN 200880108193 A 20080110; EP 08701372 A 20080110; US 67915608 A 20080110