

Title (en)
METHODS AND APPARATUSES FOR ALLOCATING AMOUNTS OF ENERGY

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUM ZUTEILEN VON ENERGIEMENGEN

Title (fr)
PROCÉDÉS ET DISPOSITIFS D'ATTRIBUTION DE QUANTITÉS D'ÉNERGIE

Publication
EP 2686813 A1 20140122 (DE)

Application
EP 12730167 A 20120530

Priority
• DE 102011078045 A 20110624
• EP 2012060141 W 20120530

Abstract (en)
[origin: WO2012175297A1] The present invention relates to methods and apparatuses for allocating amounts of energy for prosumers, wherein the prosumers provide minimum and maximum amounts of energy for a future interval of time and the respective amounts of energy from the prosumers are generated in such a manner that, on the one hand, a relative position of the amount of energy within an interval for the particular prosumer, as defined by the minimum amount of energy and the maximum amount of energy, assumes an identical value for all prosumers and, on the other hand, a sum of the amounts of energy from all prosumers produces a value of zero. The invention can be used in the distribution of amounts of energy in a power supply system having conventional energy producers and energy consumers as well as in novel participants in the power supply system which can both consume and provide energy, for example an electric vehicle.

IPC 8 full level
G06Q 10/06 (2012.01); **G06Q 50/06** (2012.01)

CPC (source: EP US)
G06Q 10/06 (2013.01 - EP US); **G06Q 50/06** (2013.01 - EP US); **H02J 4/00** (2013.01 - US)

Citation (search report)
See references of WO 2012175297A1

Citation (examination)
• US 2009326724 A1 20091231 - LASSETER ROBERT H [US], et al
• US 2005125104 A1 20050609 - WILSON THOMAS L [US], et al
• US 2007213878 A1 20070913 - CHEN DINGGUO [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

DOCDB simple family (publication)
DE 102011078045 A1 20121227; EP 2686813 A1 20140122; US 2014222235 A1 20140807; US 9577434 B2 20170221;
WO 2012175297 A1 20121227

DOCDB simple family (application)
DE 102011078045 A 20110624; EP 12730167 A 20120530; EP 2012060141 W 20120530; US 201214129107 A 20120530