

Title (en)
METHOD AND DEVICE FOR MONITORING AN ENERGY FEED-IN POINT OF AN ENERGY SUPPLY NETWORK

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG EINES ENERGIEEINSPEISEPUNKTS EINES ENERGIEVERSORGUNGSNETZES

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE D'UN POINT D'INJECTION D'ÉNERGIE DANS UN RÉSEAU D'ALIMENTATION EN ÉNERGIE

Publication
EP 2845287 A1 20150311 (DE)

Application
EP 12735831 A 20120705

Priority
EP 2012063184 W 20120705

Abstract (en)
[origin: WO2014005642A1] The invention describes a method for monitoring an energy feed-in point (ESP) of an energy supply network (EVN), particularly in the low voltage range, a number of first and second nodes (K11, K12, K13, K2) being connected or connectable to the energy feed-in point, the respective nodes (K11, K12, K13, K2) being an energy producer, an energy consumer or a prosumer. In the method according to the invention, an actual current which represents the current consumption or current output is detected at the energy feed-in point (ESP) by a measuring and monitoring device. A piece of current information (SI) received from one of the first nodes (K11, K12, K13), which represents an intended and/or a maximum possible current consumption or output of the first node (K11, K12, K13), is processed by checking whether a current value in the piece of current information (SI) fulfils a predetermined criterion in respect of a possible current value (MW) of the energy feed-in point (ESP). The possible current value (MW) is determined by a differential formed from the predetermined maximum current of the energy feed-in point (ESP) and the actual current. Finally, depending on whether the criterion at the first node (K11, K12, K13) is fulfilled or not, a message is transferred which confirms or denies the current consumption or output to the first node (K11, K12, K13).

IPC 8 full level
H02J 3/06 (2006.01); **H02J 3/32** (2006.01); **H02J 3/38** (2006.01)

CPC (source: CN EP RU US)
G05B 15/02 (2013.01 - CN US); **G05F 1/66** (2013.01 - CN US); **H02H 7/26** (2013.01 - RU); **H02J 3/0012** (2020.01 - EP US); **H02J 3/06** (2013.01 - CN EP RU US); **H02J 3/32** (2013.01 - CN); **H02J 3/322** (2020.01 - EP US); **H02J 3/381** (2013.01 - CN EP US); **H02J 3/001** (2020.01 - CN)

Citation (search report)
See references of WO 2014005642A1

Citation (examination)
US 2008140565 A1 20080612 - DEBENEDETTI VITTORIO G [US], et al

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)
WO 2014005642 A1 20140109; BR 112014032845 A2 20170627; CN 104396110 A 20150304; CN 104396110 B 20171027; EP 2845287 A1 20150311; IN 10663DEN2014 A 20150828; RU 2015103726 A 20160827; RU 2608181 C2 20170117; US 2015185750 A1 20150702

DOCDB simple family (application)
EP 2012063184 W 20120705; BR 112014032845 A 20120705; CN 201280074512 A 20120705; EP 12735831 A 20120705; IN 10663DEN2014 A 20141213; RU 2015103726 A 20120705; US 201214412343 A 20120705