Title (en)
A METHOD FOR CONTROLLING ENERGY CONTENT AND POWER FLOW IN A LOCAL POWER GRID

Title (de)
VERFAHREN ZUM STEUERN DES ENERGIEGEHALTS UND DES LEISTUNGSFLUSSES IN EINEM LOKALEN STROMNETZ

Title (fr)
PROCÉDÉ DE COMMANDE DE LA TENEUR EN ÉNERGIE ET DU TRANSIT DE PUISSANCE DANS UN RÉSEAU ÉLECTRIQUE LOCAL

Publication
EP 3529773 A4 20200325 (EN)

Application
EP 17862030 A 20171017

Priority
• SE 1651379 A 20161021
• SE 2017051023 W 20171017

Abstract (en)
[origin: WO2018074973A1] The present disclosure relates to a method, performed in a control unit, for controlling energy content and power flow in a local power grid at least intermittently connected to an external power grid. The method comprises obtaining (S11) information regarding: power consumptions in controllable loads and non-controllable loads influencing energy content and power flow in the local power grid, current energy content in energy storage accessible to the local power grid, and market prices for energy related commodities and power related commodities available in the external power grid. The method further comprises: calculating (S13) energy content and power flow forecasts within the local power grid based on the obtained information, optimizing (S15) the energy content and power flow within the local power grid based on the forecasts, and applying (S16) the optimized energy content and power flow within the local power grid during a predetermined time interval.

IPC 8 full level
G06Q 50/06 (2012.01)

CPC (source: EP)
G06Q 50/06 (2013.01); Y02E 40/70 (2013.01); Y04S 10/50 (2013.01)

Citation (search report)
• [XI] US 2008046387 A1 20080221 - GOPAL RAJEEV [US], et al
• [A] US 2011071690 A1 20110324 - SUN DAVID [US], et al
• See references of WO 2018074973A1

Cited by
CN118647044A

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)
WO 2018074973 A1 20180426; DE 212017000235 U1 20190531; EP 3529773 A1 20190828; EP 3529773 A4 20200325

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