

Title (en)

CONNECTION LOCATOR IN A POWER AGGREGATION SYSTEM FOR DISTRIBUTED ELECTRIC RESOURCES

Title (de)

VERBINDUNGSLOKALISIERER IN EINEM STROMAGGREGATIONSSYSTEM FÜR VERTEILTE ELEKTRISCHE RESSOURCEN

Title (fr)

LOCALISATEUR DE CONNEXION DANS UN SYSTEME D'AGREGATION DE PUISSANCE POUR DES RESSOURCES ELECTRIQUES REPARTIES

Publication

EP 2099639 A2 20090916 (EN)

Application

EP 07867731 A 20071211

Priority

- US 2007025444 W 20071211
- US 86943906 P 20061211

Abstract (en)

[origin: WO2008073453A1] Systems and methods are described for a power aggregation system. In one implementation, a service establishes individual Internet connections to numerous electric resources intermittently connected to the power grid, such as electric vehicles. The Internet connection may be made over the same wire that connects the resource to the power grid. The service optimizes power flows to suit the needs of each resource and each resource owner, while aggregating flows across numerous resources to suit the needs of the power grid. The service can bring vast numbers of electric vehicle batteries online as a new, dynamically aggregated power resource for the power grid. Electric vehicle owners can participate in an electricity trading economy regardless of where they plug into the power grid.

IPC 8 full level

B60L 11/18 (2006.01)

CPC (source: EP KR US)

B60L 3/12 (2013.01 - EP); **B60L 50/50** (2019.02 - KR); **B60L 53/14** (2019.02 - EP US); **B60L 53/57** (2019.02 - EP US); **B60L 53/63** (2019.02 - EP); **B60L 53/64** (2019.02 - EP); **B60L 53/65** (2019.02 - EP); **B60L 53/665** (2019.02 - EP); **B60L 55/00** (2019.02 - EP); **H02J 3/322** (2020.01 - EP US); **H02J 3/38** (2013.01 - EP US); **H02J 13/00** (2013.01 - KR); **H02J 13/00002** (2020.01 - EP US); **H02J 13/00017** (2020.01 - EP US); **H02J 13/00028** (2020.01 - EP US); **H02J 13/00034** (2020.01 - EP US); **H04L 12/4625** (2013.01 - EP); **H04L 67/12** (2013.01 - EP); **H04L 67/125** (2013.01 - EP US); **B60L 2240/70** (2013.01 - EP); **B60L 2270/32** (2013.01 - EP); **Y02B 90/20** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP); **Y02T 90/16** (2013.01 - EP); **Y02T 90/167** (2013.01 - EP); **Y04S 10/126** (2013.01 - EP); **Y04S 30/14** (2013.01 - EP); **Y04S 40/124** (2013.01 - EP); **Y04S 40/128** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008073453 A1 20080619; BR PI0719998 A2 20140318; BR PI0719999 A2 20140318; BR PI0720002 A2 20131217; BR PI0720300 A2 20140204; BR PI0720301 A2 20140204; CA 2672422 A1 20080619; CA 2672424 A1 20080619; CA 2672454 A1 20080619; CA 2672508 A1 20081127; CN 101678774 A 20100324; EP 2097289 A2 20090909; EP 2099639 A2 20090916; EP 2102028 A1 20090923; EP 2115686 A2 20091111; IL 199291 A0 20100328; IL 199293 A0 20100328; JP 2010512727 A 20100422; KR 20090119754 A 20091119; KR 20090119831 A 20091120; KR 20090119832 A 20091120; KR 20090119833 A 20091120; KR 20100014304 A 20100210; MX 2009006236 A 20100211; MX 2009006237 A 20100211; MX 2009006238 A 20100211; MX 2009006239 A 20100211; MX 2009006240 A 20100211; WO 2008073470 A2 20080619; WO 2008073470 A3 20080821; WO 2008073472 A2 20080619; WO 2008073472 A3 20080807; WO 2008073474 A2 20080619; WO 2008073474 A3 20080807; WO 2008073476 A2 20080619; WO 2008073476 A3 20080807; WO 2008073477 A2 20080619; WO 2008073477 A3 20080807; WO 2008143653 A2 20081127; WO 2008143653 A3 20090416

DOCDB simple family (application)

US 2007025393 W 20071211; BR PI0719998 A 20071211; BR PI0719999 A 20071211; BR PI0720002 A 20071211; BR PI0720300 A 20071211; BR PI0720301 A 20071211; CA 2672422 A 20071211; CA 2672424 A 20071211; CA 2672454 A 20071211; CA 2672508 A 20071211; CN 200780050055 A 20071211; EP 07862801 A 20071211; EP 07867730 A 20071211; EP 07867731 A 20071211; EP 07874172 A 20071211; IL 19929109 A 20090611; IL 19929309 A 20090611; JP 2009541356 A 20071211; KR 20097014273 A 20071211; KR 20097014274 A 20071211; KR 20097014276 A 20071211; KR 20097014278 A 20071211; KR 20097014279 A 20071211; MX 2009006236 A 20071211; MX 2009006237 A 20071211; MX 2009006238 A 20071211; MX 2009006239 A 20071211; MX 2009006240 A 20071211; US 2007025433 W 20071211; US 2007025436 W 20071211; US 2007025439 W 20071211; US 2007025442 W 20071211; US 2007025443 W 20071211; US 2007025444 W 20071211