

Title (en)

SYSTEM AND METHOD FOR SWITCHING AN ELECTRICAL SYSTEM TO BACKUP POWER DURING A UTILITY POWER OUTAGE

Title (de)

SYSTEM UND VERFAHREN ZUM SCHALTEN EINES ELEKTRISCHEN SYSTEMS ZUR STROMSICHERUNG WÄHREND EINER VERSORGUNGSUNTERBRECHUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE COMMUTATION D'UN SYSTÈME ÉLECTRIQUE SUR UNE ALIMENTATION DE SECOURS PENDANT UNE COUPURE DE SECTEUR

Publication

EP 3189572 A1 20170712 (EN)

Application

EP 15716961 A 20150406

Priority

- US 201462045864 P 20140904
- US 2015024423 W 20150406

Abstract (en)

[origin: WO2016036419A1] An apparatus (215) for managing an electrical system (200) includes a main breaker (220) structured to be coupled to a utility source (205), an LER breaker (240) structured to be coupled to a local generation source (245), a number of branch breakers (230), each branch breaker being structured to be coupled to one or more loads (235), and a control component (250). The control component is structured to, in response to a determination that the utility source is experiencing a power outage: cause the main breaker to be opened, determine which one or more of the number of branch breakers are to receive backup power from the local generation source, cause the branch breakers to be configured such that only the determined one or more of the number of branch breakers are in a closed condition, and cause the local generation source to be activated.

IPC 8 full level

H02J 3/14 (2006.01); **H02J 9/08** (2006.01); **H02J 13/00** (2006.01)

CPC (source: CN EP RU US)

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Citation (examination)

- US 2014211345 A1 20140731 - THOMPSON RONALD L [US], et al
- US 2014214218 A1 20140731 - ELDRIDGE DAVID AUSTIN [US], et al
- See also references of WO 2016036419A1

Cited by

US11817701B2

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 2016036419 A1 20160310; BR 112017003386 A2 20171128; BR 112017003386 B1 20220809; CA 2959590 A1 20160310; CA 2959590 C 20231010; CN 106688155 A 20170517; CN 106688155 B 20201117; EP 3189572 A1 20170712; MX 2017002146 A 20170503; RU 2690008 C1 20190530

DOCDB simple family (application)

US 2015024423 W 20150406; BR 112017003386 A 20150406; CA 2959590 A 20150406; CN 201580046802 A 20150406; EP 15716961 A 20150406; MX 2017002146 A 20150406; RU 2017109161 A 20150406