

Title (en)

SYSTEMS AND METHODS FOR USING A POWER CONVERTER FOR TRANSMISSION OF DATA OVER THE POWER FEED

Title (de)

SYSTEME UND VERFAHREN ZUR VERWENDUNG EINES STROMRICHTERS ZUR ÜBERTRAGUNG VON DATEN ÜBER DIE STROMVERSORGUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS D'UTILISATION D'UN CONVERTISSEUR DE PUISSANCE POUR LA TRANSMISSION DE DONNÉES SUR L'ALIMENTATION

Publication

**EP 2359455 A2 20110824 (EN)**

Application

**EP 09829627 A 20091029**

Priority

- US 2009062536 W 20091029
- US 20027908 P 20081126
- US 20060108 P 20081202
- US 20729609 P 20090210
- US 41131709 A 20090325

Abstract (en)

[origin: WO2010062662A2] Apparatuses and methods include a photovoltaic energy production unit to generate electricity. A local management unit is coupled between the photovoltaic energy production unit and a connection of energy production units forming a string bus. The local management unit includes a controller and switching circuitry. The controller provide a control for the switching circuitry to deliver electrical energy to the string bus. A communication transmission modulator is associated with the local management unit. The communication transmission modulator modulates the control with data to be transmitted from the local management unit over the string bus.

IPC 8 full level

**H02J 7/35** (2006.01); **H02M 7/48** (2007.01)

CPC (source: EP)

**H01L 31/02021** (2013.01); **H04B 3/548** (2013.01); **H04B 2203/5458** (2013.01); **Y02E 10/50** (2013.01)

Citation (search report)

See references of WO 2010062662A2

Cited by

US9030302B2; US9407326B2; US9698869B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010062662 A2 20100603**; **WO 2010062662 A3 20100812**; EP 2359455 A2 20110824

DOCDB simple family (application)

**US 2009062536 W 20091029**; EP 09829627 A 20091029