

Title (en)

Operating point control device of an electrical energy generator, especially of a solar generator

Title (de)

Arbeitspunktsteuervorrichtung eines Generators elektrischer Energie, insbesondere eines Solargenerators

Title (fr)

Dispositif de commande du point de fonctionnement d'un générateur d'énergie électrique, notamment d'un générateur solaire

Publication

**EP 0895146 B1 20030115 (FR)**

Application

**EP 98401903 A 19980727**

Priority

FR 9709583 A 19970728

Abstract (en)

[origin: EP0895146A1] The control system includes a load with a transformer (3), having primary (5) and secondary (6) windings. The primary winding (5) is fed from the solar energy electricity generator (GS) through a switch (7). The secondary winding (6) is connected in series with a diode (8) and the load (1,2). The system includes a sensor (11) which detects the average intensity of the current (Ip) circulating in the primary winding (5) of the transformer (3), and delivers a signal (Vdet) that represents this current (Ip). A control unit (12,13), which is sensitive to the signal (Vdet), controls operation of the switch (7) so as to establish in the primary winding (5) of the transformer (3) an average current (I-p) corresponding to a pre-determined operating regime for the generator (GS). The control unit (12,13) is designed to set the current (Ip) to a value which corresponds to the maximum power (Pmax) of the power delivered by the generator (GS).

IPC 1-7

**G05F 1/67**

IPC 8 full level

**G05F 1/67** (2006.01)

CPC (source: EP)

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Citation (examination)

FR 2626689 A1 19890804 - CENTRE NAT ETD SPATIALES [FR]

Cited by

EP2144133A1; US11018623B2; US9853565B2; US10992238B2; WO2010079517A1; WO2006081038A3; US9876430B2; US10673229B2; US11070051B2; US11489330B2; US9960731B2; US11579235B2; US11961922B2; US12032080B2; US9644993B2; US9923516B2; US10381977B2; US11002774B2; US11073543B2; US11183968B2; US11598652B2; US11620885B2; US9680304B2; US9948233B2; US10097007B2; US11063440B2; US11962243B2; US11264947B2; US11687112B2; US11894806B2; US9639106B2; US9866098B2; US10007288B2; US10666125B2; US11205946B2; US11881814B2; US7714550B2; US8937827B2; US9935458B2; US10637393B2; US11271394B2; US11476799B2; US11996488B2; US10135241B2; US10461687B2; US10468878B2; US10693415B2; US10910834B2; US11075518B2; US11183969B2; US11296650B2; US11424616B2; US11476663B2; US11658508B2; US11817699B2; US11824398B2; US9853490B2; US9941813B2; US11545912B2; US11742777B2; US12027849B2; US9673711B2; US9960667B2; US10116217B2; US10516336B2; US11031861B2; US11309832B2; US11575260B2; US11575261B2; US11594968B2; US11594882B2; US11594881B2; US11594880B2; US11658482B2; US11735910B2; US9647442B2; US9853538B2; US9869701B2; US10447150B2; US10673222B2; US10931228B2; US10969412B2; US11183922B2; US11349432B2; US11867729B2; US12003215B2; US10115841B2; US10396662B2; US10778025B2; US10931119B2; US11177663B2; US11177768B2; US11201476B2; US11728768B2; US11870250B2; US11979037B2; US12003107B2; US9831824B2; US9979280B2; US10230310B2; US10644589B2; US10886832B2; US11183923B2; US11296590B2; US11632058B2; US11693080B2; US9812984B2; US9819178B2; US9966766B2; US10230245B2; US10608553B2; US10651647B2; US10673253B2; US11043820B2; US11424617B2; US11682918B2; US11888387B2; US11929620B2; US12027970B2; EP2376993B1

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