Title (en)

WORKING POINT REGULATION SYSTEM OF A DC POWER SUPPLY

Publication

EP 0326489 B1 19930303 (FR)

Application

EP 89400219 A 19890126

Priority

- FR 8801057 A 19880129
- FR 8809682 A 19880718

Abstract (en)

[origin: EP0326489A1] The regulation system consists of a current generator system (1) coupled to a pulse-width modulating converter (2). <??>The system includes means (11, 12) for sampling and measuring the voltage (V) and current (I) delivered by the current generator (1), a threshold detector (3) for detecting any maladjustment of the converter (2) which delivers a logic signal (C) representative of the maladjusted or non-maladjusted state of the converter (2) with respect to the threshold values. A control loop (4) consists of a switching element (42) which, by reversing the sign of the error signal (epsilon), enables the operating point to be returned to the point of maximum power (Pmax) on the output current-voltage characteristic of the current generator (1). <??>Application to the control of electrical power supply circuits in space installations. <IMAGE>

IPC 1-7

G05F 1/67

IPC 8 full level

G05F 1/67 (2006.01); **H02M 3/155** (2006.01)

CPC (source: EP US)

G05F 1/67 (2013.01 - EP US); Y10S 323/906 (2013.01 - EP US)

Cited by

DE4030494C1; CN111679713A; AT409674B; EP2110729A4; AU757080B2; FR2964759A1; EP0628901A3; US5654883A; EP0653692A3; US5682305A; WO2012032274A1

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EP 0326489 A1 19890802; **EP 0326489 B1 19930303**; DE 68905049 D1 19930408; DE 68905049 T2 19930617; ES 2038420 T3 19930716; FR 2634293 A2 19900119; FR 2634293 B2 19901019; JP 2765716 B2 19980618; JP H01224817 A 19890907; US 4899269 A 19900206

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