

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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