

Title (en)
LONGITUDINAL VOLTAGE REGULATOR WITH REDUCED OUTPUT REVERSE CURRENT

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Application
EP 88110506 A 19880630

Priority
DE 3723579 A 19870716

Abstract (en)
[origin: EP0299292A2] The invention relates to a longitudinal voltage regulator for a load which stores electrical energy, having a regulating element (Q1, Q2), which is arranged in a longitudinal path of the regulator and is driven by an error amplifier (F), via a control transistor (Q3), which regulator regulates out a difference between a reference voltage (VREF) and a voltage which is proportional to the regulator output voltage (VA). According to the invention, a comparator (Q4 to Q7), which compares the regulator output voltage (VA) with the regulator input voltage (VE), is provided, whose output (K) activates a controllable switch (Q8), which switches off the control transistor (Q3) when the regulator input voltage (VE) drops to a value less than the regulator nominal output voltage. <IMAGE>

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H02J 9/06; **G05F 1/571**; **G11C 5/00**

IPC 8 full level
G05F 1/56 (2006.01); **G05F 1/571** (2006.01)

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G05F 1/571 (2013.01)

Citation (search report)
• [XP] EP 0238803 A1 19870930 - NEC CORP [JP]
• [AD] FR 2554990 A1 19850517 - ATES DEUTSCHLAND HALBLEITER [DE]
• [X] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 220 (P-482)[2276], 31. Juli 1986; & JP-A-61 55 718 (FUJITSU LTD) 20-03-1986
• [X] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 7 (P-419)[2064], 11. Januar 1986; & JP-A-60 163 113 (SEIKO DENSHI KOGYO K.K.) 26-08-1985

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EP0511920A1; US5343084A; KR20150048763A; EP2894537A4

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