

Title (en)

AMPLIFIER CIRCUIT FOR ELECTROMAGNETS OF PROPORTIONAL VALVES OR SERVO VALVES

Publication

EP 0212462 A3 19880113 (DE)

Application

EP 86110910 A 19860807

Priority

DE 3530966 A 19850830

Abstract (en)

[origin: EP0212462A2] 1. Amplifier circuit for electromagnets of proportional or servo valves. 2. In an amplifier circuit for electromagnets of proportional or servo valves having a transistor output stage (4) controlled by means of a pulse width modulator (2) of a drive circuit, the said output stage (4) is designed as a bridge, a power MOS transistor (4) being located in each of its four arms and the diagonal of the bridge forming the output for the connection of the excitation winding (5) of the electromagnet. The driver stage has a control logic device (8) which switches the bridge over, without any transverse current, by a control pulse delay. <IMAGE>

IPC 1-7

H01F 7/18

IPC 8 full level

G05B 11/26 (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP)

H01F 7/1872 (2013.01)

Citation (search report)

- [A] DE 3112280 A1 19821007 - SIEMENS AG [DE]
- [AP] DE 3440885 A1 19860515 - BOSCH GMBH ROBERT [DE]
- [A] EP 0099941 A1 19840208 - SPERRY VICKERS [DE]
- [AP] DE 3415649 A1 19851107 - TIEFENBACH & CO DR H [DE]

Cited by

EP1803944A1; EP0404223A3; EP0306437A3; DE4201652A1; US5724223A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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