

Title (en)  
END STAGE CIRCUIT ARRANGEMENT FOR CONTROLLING ELECTROMAGNETIC ACTUATORS

Publication  
**EP 0353533 B1 19921021 (DE)**

Application  
**EP 89113115 A 19890718**

Priority  
DE 3826087 A 19880801

Abstract (en)  
[origin: EP0353533A1] In an end stage circuit arrangement for controlling electromagnetic actuators, a part of the switch-off energy, which is induced in the exciter winding (1) of the electromagnetic actuator by the switch-off operations carried out during operation, is picked up via a decoupler diode (19), in order to generate an auxiliary voltage (-UH or +UH) in cooperation with an auxiliary voltage open-loop or closed-loop control circuit (25). The auxiliary voltage open-loop or closed-loop control circuit (25) controls a switch element (15) which is switched in such a way that the switch-off energy for generating the auxiliary voltage is only used until a desired voltage value is reached. When this voltage value is exceeded, the switch element (15) acts like a free-wheeling diode connected to the exciter winding (1) for reducing induction voltages. <IMAGE>

IPC 1-7  
**H01F 7/18**

IPC 8 full level  
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CPC (source: EP)  
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EP1050966A3; EP1009003A1; FR2786914A1; US6246562B1

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