

Title (en)
VALVE CONTROL CIRCUIT

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Application
EP 86901387 A 19860219

Priority
DE 3508187 A 19850305

Abstract (en)
[origin: WO8605236A1] The current is regulated by the exciting winding (28) of a valve that can be electromagnetically actuated in response to a signal voltage (UG?) used as a command variable. To this purpose, the signal voltage (UG?) and a return voltage (Ud?) are supplied to an integrating regulator (10). The regulator (10) commands a pulse width modulator (20). The latter commands a switching transistor (24) which is in series with the exciting winding (28). A diode (32) is connected parallel to the exciting winding (28). Return means create a return voltage (Ud?) which is proportional to the modulated current (IL?) through the exciting winding (28), even during the cutoff period, during which the switching transistor (24) is shut off.

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F02D 41/20; H03K 17/64

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