

Title (en)
CONTROL CIRCUITRY FOR A PULSATING CURRENT

Publication
EP 0351451 A3 19901122 (DE)

Application
EP 88118381 A 19881104

Priority
DE 3824526 A 19880720

Abstract (en)
[origin: US4978865A] In a circuit for controlling a pulsating current through an inductor, particularly the coil of an electromagnetic valve, the inductor is connected in series with a semiconductor switch and in parallel with a free-running diode. Furthermore a desired-value voltage is fed to a controller the output of which is connected via a pulse-width modulator to a control input of the semiconductor switch. A current flows through the inductor and the semiconductor switch, during a state of conduction of the semiconductor switch, to be measured. The current measurement is gated, in response to pulse-width modulation at the controller, and is then integrated for improved measurement of the current.

IPC 1-7
H01H 47/32

IPC 8 full level
H01H 47/32 (2006.01)

CPC (source: EP US)
H01H 47/325 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
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EP 0351451 A2 19900124; EP 0351451 A3 19901122; DE 3824526 A1 19900125; US 4978865 A 19901218

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