

Title (en)  
DEVICE FOR CONTROLLING AN ELECTRIC CURRENT

Publication  
**EP 0377214 B1 19930428 (DE)**

Application  
**EP 89124054 A 19891228**

Priority  
US 29452789 A 19890106

Abstract (en)  
[origin: US4964014A] A solenoid current control system includes a microprocessor which periodically generates a desired peak current value and which energizes the solenoid coil. Current through the coil is sensed via a series resistor and the sensed current is compared to the desired peak current by comparator. The comparator generates an interrupt signal when the sensed current reaches the desired peak value. The interrupt signal is applied to the microprocessor which responds by de-energizing the coil.

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

IPC 8 full level  
**F02D 41/20** (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP US)  
**F02D 41/20** (2013.01 - EP US); **H01F 7/1844** (2013.01 - EP US); **F02D 2041/2017** (2013.01 - EP US)

Citation (examination)  
EP 0220559 A1 19870506 - HONEYWELL INC [US]

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0377214 A1 19900711**; **EP 0377214 B1 19930428**; CA 2002433 A1 19900706; CA 2002433 C 19950307; DE 58904211 D1 19930603; US 4964014 A 19901016

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**EP 89124054 A 19891228**; CA 2002433 A 19891107; DE 58904211 T 19891228; US 29452789 A 19890106