Title (en)
PROCESS FOR THE CONTROL OF AN ELECTROMAGNET

Publication
EP 0225444 B1 19901024 (DE)

Application
EP 86113598 A 19861002

Priority
DE 3543055 A 19851205

Abstract (en)
[origin: EP0225444A1] 1. Method for controlling an electromagnet (10) which attracts an armature, in which the electromagnet (10) in its holding phase is controlled with pulsed current from a power supply, the current being switched off when an upper threshold value is exceeded and is switched on when it falls below a lower threshold value, characterized in that the frequency of the pulsing is measured during the holding phase and compared with a preset frequency value, and an error signal is initiated when a maximum deviation is exceeded.

IPC 1-7
F01L 9/04; H01F 7/18; H01H 47/32

IPC 8 full level
F01L 9/04 (2006.01); F01L 9/20 (2021.01); H01F 7/18 (2006.01); H01H 47/32 (2006.01)

CPC (source: EP)
F01L 9/20 (2021.01); H01F 7/1805 (2013.01); H01H 47/325 (2013.01)

Cited by
DE19623436A1; EP1136663A1; DE3741734A1; EP0393847A1; EP0400389A3; GB2260030A; EP1441371A3; US5784245A; EP0408963A3; DE4136415A1; GB2250350B; GB2250350A; EP0562457A1; US5383428A; US6390037B2

Designated contracting state (EPC)
DE ES FR GB IT SE

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DE 3543055 C1 19861211; CA 1276679 C 19901120; DE 3675167 D1 19901129; EP 0225444 A1 19870616; EP 0225444 B1 19901024; ES 2018147 B3 19910401; JP H0368522 B2 19911028; JP S62134911 A 19870618

DOCDB simple family (application)
DE 3543055 A 19851205; CA 524701 A 19861205; DE 3675167 T 19861002; EP 86113598 A 19861002; ES 86113598 T 19861002; JP 27383786 A 19861117