

Title (en)

Control circuit for an actuator

Title (de)

Schaltungsanordnung zum Steuern eines Aktuators

Title (fr)

Circuit de commande d'un actionneur

Publication

EP 1050966 A3 20020130 (DE)

Application

EP 00200849 A 20000309

Priority

DE 19911863 A 19990317

Abstract (en)

[origin: DE19911863A1] A first control path includes a series connected a first current control element (4) and a first bypass element (6) controlling a power supply for an actuator (7). The latter in its first connection is connected between the first current control element (5) and the first bypass element (6) and in its second connections it is connected with a first pole of a source (1) connected at the first bypass element (6). An Independent claim is included for: (a) an adjustment system for operating an adjustment device in IC engine

IPC 1-7

H03K 17/082; H03K 17/64; F02D 9/10

IPC 8 full level

H01F 7/18 (2006.01); F02D 9/10 (2006.01); H02K 33/02 (2006.01); H03K 17/082 (2006.01); H03K 17/64 (2006.01)

CPC (source: EP)

F02D 9/10 (2013.01)

Citation (search report)

- [X] EP 0660519 A2 19950628 - LUCAS IND PLC [GB]
- [X] EP 0750112 A2 19961227 - LUCAS IND PLC [GB]
- [X] US 4706619 A 19871117 - BUCHL JOSEF [DE]
- [X] US 5442515 A 19950815 - WALLAERT JOHAN [BE]
- [X] WO 9529498 A1 19951102 - KILOVAC CORP [US]
- [X] US 4928053 A 19900522 - SICARD THIERRY M A [FR], et al
- [X] US 4688138 A 19870818 - NAGATA OSAMU [JP], et al
- [A] DE 3911431 A1 19901011 - SIEMENS AG [DE]
- [A] US 4925156 A 19900515 - STOLL KURT [DE], et al
- [A] EP 0537916 A2 19930421 - SEAGATE TECHNOLOGY [KY]
- [A] FR 2734394 A1 19961122 - CATERPILLAR INC [US]
- [A] DE 19725918 A1 19981224 - MANNESMANN REXROTH AG [DE]
- [A] EP 0343536 A1 19891129 - SIEMENS AG [DE]
- [A] DE 19725317 A1 19981210 - VICKERS SYSTEMS ZWEIGNIEDERLAS [DE]
- [A] WO 9902834 A1 19990121 - MAGNETI MARELLI FRANCE [FR], et al
- [A] US 5419596 A 19950530 - OKADA KAZUKIYO [JP], et al
- [A] FR 2654880 A1 19910524 - SIEMENS AUTOMOTIVE SA [FR]
- [A] EP 0353533 A1 19900207 - HYDAC TECHNOLOGY GMBH [DE]
- [A] DE 4142666 A1 19930701 - VDO SCHINDLING [DE]
- [A] US 3736473 A 19730529 - PUGH C
- [A] US 5287046 A 19940215 - CARPENTER GARY D [US], et al
- [A] US 5666035 A 19970909 - BASIRE ALAIN [FR], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 247 (E - 146) 7 December 1982 (1982-12-07)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 062 (E - 0883) 5 February 1990 (1990-02-05)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19911863 A1 20000921; DE 50008468 D1 20041209; EP 1050966 A2 20001108; EP 1050966 A3 20020130; EP 1050966 B1 20041103; JP 2000323325 A 20001124

DOCDB simple family (application)

DE 19911863 A 19990317; DE 50008468 T 20000309; EP 00200849 A 20000309; JP 2000076732 A 20000317