

Title (en)

Solenoid-operated switching device and control device for electromagnet

Title (de)

Solenoidbetätigtes Schaltgerät und Steuerung eines Elektromagneten

Title (fr)

Dispositif de commutation commandé par électro-aimant et dispositif de commande d'un électro-aimant

Publication

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Application

EP 03024535 A 20031027

Priority

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- JP 2003033822 A 20030212

Abstract (en)

The present invention permits a configuration for workability enhancement by mounting an electromagnet 14 under the center of a casing 10, mounting a capacitor 16 and a control circuit board 18 on either side of the electromagnet 14, mounting an auxiliary contact 34, an indicator plate 36, and a counter 38 over the electromagnet 14, attaching the auxiliary contact 34, indicator plate 36, and counter 38 to a plate 56 to make them integral with the electromagnet 14, and rendering the capacitor 16 and control circuit board 18 removable from the front. <IMAGE>

IPC 1-7

H01F 7/18; H01H 47/00; H01H 51/22; H01H 51/27; H01H 50/16; H01F 7/08

IPC 8 full level

H01F 7/08 (2006.01); **H01F 7/18** (2006.01); **H01H 1/00** (2006.01); **H01H 9/00** (2006.01); **H01H 33/666** (2006.01); **H01H 47/04** (2006.01)

CPC (source: EP)

H01F 7/081 (2013.01); **H01F 7/1816** (2013.01); **H01H 1/0015** (2013.01); **H01H 9/0066** (2013.01); **H01H 33/6662** (2013.01); **H01H 47/043** (2013.01)

Cited by

US9905348B2; US2010089874A1; EP1939909A3; EP2325858A1; EP1619708A3; EP2182536A1; FR2937786A1; US8796570B2; US9378913B2; US8570121B2; US7746202B2; US7911303B2; US9208978B2; US8227721B2; US9238784B2; WO2006097452A1; WO2017001371A1; WO2011060921A1; US8149077B2; US8629366B2; US9818562B2; KR101285751B1

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