

Title (en)  
ELECTROMECHANICAL CONTACTOR

Title (de)  
ELEKTROMECHANISCHES SCHÜTZ

Title (fr)  
CONTACTEUR ELECTROMECHANIQUE

Publication  
**EP 1051718 B2 20130710 (FR)**

Application  
**EP 99957353 A 19991201**

Priority  
• FR 9902980 W 19991201  
• FR 9815184 A 19981201  
• FR 9815384 A 19981204

Abstract (en)  
[origin: US2002175788A1] An electromechanical contactor that houses an electromagnet and a mobile contact carrier within one body. The electromagnet 20 is situated at the rear of the body 10 and a command wiring plane PB is situated at the front of the power wiring plane PA. The command terminals B and the control terminals C are arranged in a forward command/control terminal block 60. The coil terminals 26 are connected to the command terminals B by transverse conductors 27 housed in grooves made between an internal surface of the body and an external surface of an arch-shaped casing.

IPC 8 full level  
**H01H 50/14** (2006.01); **H01H 50/04** (2006.01); **H01H 50/54** (2006.01); **H01H 50/44** (2006.01)

CPC (source: EP KR US)  
**H01H 50/042** (2013.01 - EP US); **H01H 50/045** (2013.01 - EP US); **H01H 50/14** (2013.01 - EP KR US); **H01H 50/546** (2013.01 - EP US); **H01H 50/443** (2013.01 - EP US); **H01H 50/545** (2013.01 - EP US)

Citation (opposition)  
Opponent :  
• EP 0595697 B1 19980304 - SCHNEIDER ELECTRIC SA [FR]  
• DE 2704587 C2 19830428  
• DE 4236890 A1 19940505 - LICENTIA GMBH [DE]  
• DE 2407057 A1 19750821 - SIEMENS AG  
• DE 3017561 A1 19811112 - LICENTIA GMBH [DE]  
• US 3639866 A 19720201 - KANE HUGH  
• Usage antérieur d'un contacteur-inverseur du type 3TF8

Cited by  
WO2022198286A1; US9601290B2

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)  
**US 2002175788 A1 20021128; US 6621393 B2 20030916**; AP 1267 A 20040323; AP 2000001877 A0 20000930; AT E308110 T1 20051115; AU 1508200 A 20000619; AU 752162 B2 20020905; BR 9908581 A 20020115; BR PI9908581 B1 20160920; CA 2319676 A1 20000608; CA 2319676 C 20061010; CN 1186796 C 20050126; CN 1291340 A 20010411; CO 5241349 A1 20030131; CZ 20002801 A3 20001115; CZ 297030 B6 20060816; DE 69927945 D1 20051201; DE 69927945 T2 20060420; DE 69927945 T3 20130912; DK 1051718 T3 20060206; DK 1051718 T4 20130908; DZ 2952 A1 20040315; EG 22369 A 20021231; EP 1051718 A1 20001115; EP 1051718 B1 20051026; EP 1051718 B2 20130710; ES 2251241 T3 20060416; ES 2251241 T5 20131011; HU 227276 B1 20110128; HU P0105030 A2 20020429; HU P0105030 A3 20021028; ID 26480 A 20010111; IL 137620 A0 20010724; IL 137620 A 20041215; JP 2002531916 A 20020924; JP 4183913 B2 20081119; KR 100384340 B1 20030516; KR 20010040535 A 20010515; MA 25866 A1 20031001; MX PA00007489 A 20020604; MY 122051 A 20060331; NZ 506301 A 20020726; OA 11477 A 20040503; PL 191988 B1 20060731; PL 342191 A1 20010521; RO 118916 B1 20031230; RS 49713 B 20071231; TR 200002963 T1 20010221; TW 497112 B 20020801; US 6411184 B1 20020625; WO 0033341 A1 20000608; YU 48800 A 20021115

DOCDB simple family (application)  
**US 17853602 A 20020625**; AP 2000001877 A 19991201; AT 99957353 T 19991201; AU 1508200 A 19991201; BR 9908581 A 19991201; CA 2319676 A 19991201; CN 99803176 A 19991201; CO 99075599 A 19991201; CZ 20002801 A 19991201; DE 69927945 T 19991201; DK 99957353 T 19991201; DZ 990252 A 19991130; EG 153799 A 19991201; EP 99957353 A 19991201; ES 99957353 T 19991201; FR 9902980 W 19991201; HU P0105030 A 19991201; ID 20001462 A 19991201; IL 13762099 A 19991201; JP 2000585899 A 19991201; KR 20007008400 A 20000801; MA 26046 A 20000816; MX PA00007489 A 19991201; MY PI9905218 A 19991201; NZ 50630199 A 19991201; OA 1200000221 A 20000809; PL 34219199 A 19991201; RO 200000764 A 19991201; TR 200002963 T 19991201; TW 88120954 A 19991202; US 60015900 A 20000801; YU 48800 A 19991201