

Title (en)

Protected phase-reversal contactor using a multifunctional transmission system for the control of confirmation switches.

Title (de)

Geschütztes Wendeschütz mit einem Mehrzweckübertragungssystem für die Steuerung von Bestätigungsschaltern.

Title (fr)

Contacteur-inverseur protégé utilisant un système de transmission multifonctionnel pour la commande d'interrupteurs de confirmation.

Publication

EP 0381542 B1 19931208 (FR)

Application

EP 90400017 A 19900104

Priority

FR 8901393 A 19890203

Abstract (en)

[origin: DE4003109A1] The inverter switch includes two electromagnets (4,5) which are excited alternately. The armatures actuate two sets of phase switches (9-11,12-14) and two confirmation switches (11,12) connected in series in the supply circuits of the two coils (15,16). The two confirmation switches are operated by a transmission system comprising two rotary coaxial shafts, situated end to end, and each provided by an arm which actuates the confirmation switch associated with the other electromagnet.

IPC 1-7

H01H 51/00; **H01H 50/54**

IPC 8 full level

H01H 9/26 (2006.01); **H01H 50/32** (2006.01); **H01H 33/42** (2006.01); **H01H 50/54** (2006.01); **H01H 51/00** (2006.01); **H01H 75/00** (2006.01); **H01H 89/08** (2006.01)

CPC (source: EP KR US)

H01H 45/00 (2013.01 - KR); **H01H 50/541** (2013.01 - EP US); **H01H 51/005** (2013.01 - EP US); **H01H 75/00** (2013.01 - KR); **H01H 89/08** (2013.01 - EP US)

Cited by

EP2031623A1; FR2758903A1; KR101326639B1; US8188819B2; WO2008034467A1; WO0113397A1

Designated contracting state (EPC)

AT DK SE

DOCDB simple family (publication)

EP 0381542 A1 19900808; **EP 0381542 B1 19931208**; AT E98400 T1 19931215; CA 2007196 A1 19900803; CH 682432 A5 19930915; DE 4003109 A1 19900809; DE 4003109 C2 19990325; DK 0381542 T3 19940411; ES 2020423 A6 19910801; FI 900538 A0 19900202; FI 96252 B 19960215; FI 96252 C 19960527; FR 2642893 A1 19900810; FR 2642893 B1 19910419; GB 2227885 A 19900808; GB 2227885 B 19930825; GB 8928523 D0 19900221; HK 33094 A 19940422; IT 1237953 B 19930619; IT 9019069 A0 19900116; IT 9019069 A1 19900804; JP H02239532 A 19900921; KR 900013553 A 19900906; KR 930001955 B1 19930320; SG 123193 G 19940225; SU 1734583 A3 19920515; US 5099385 A 19920324

DOCDB simple family (application)

EP 90400017 A 19900104; AT 90400017 T 19900104; CA 2007196 A 19900104; CH 464089 A 19891222; DE 4003109 A 19900202; DK 90400017 T 19900104; ES 9000323 A 19900202; FI 900538 A 19900202; FR 8901393 A 19890203; GB 8928523 A 19891218; HK 33094 A 19940414; IT 1906990 A 19900116; JP 2426290 A 19900202; KR 900001267 A 19900202; SG 123193 A 19931115; SU 4742959 A 19900202; US 47350290 A 19900201