

Title (en)  
Phase-reversal contactor with locking device.

Title (de)  
Wendeschutz mit Verriegelungseinrichtung.

Title (fr)  
Appareil contacteur inverseur à verrouillage.

Publication  
**EP 0455534 A1 19911106 (FR)**

Application  
**EP 91401029 A 19910418**

Priority  
FR 9005560 A 19900430

Abstract (en)  
These means, which include a moving part (30) for mechanical locking, furthermore having surfaces for actuation of locking switches (60a, 60b), are placed substantially in the plane of a median partition (36) on either side of which each of the two contactors of the appliance are arranged; these conductors (181, 182, 183) connect these switches in series with each contactor coil and, with a connection terminal respectively. <??>Such an appliance is used for controlling reversible motors or for motors with star-delta starting. <IMAGE>

IPC 1-7  
**H01H 50/32**

IPC 8 full level  
**H01H 50/00** (2006.01); **H01H 50/32** (2006.01); **H01H 51/12** (2006.01); **H01H 51/00** (2006.01)

CPC (source: EP US)  
**H01H 50/323** (2013.01 - EP US); **H01H 51/005** (2013.01 - EP US); **H01H 2050/325** (2013.01 - EP US)

Citation (search report)

- [A] US 4513181 A 19850423 - BOYSEN GERD C [US], et al
- [A] FR 2525025 A1 19831014 - BBC BROWN BOVERI & CIE [DE]
- [A] FR 2045090 A5 19710226 - UNELEC
- [A] DE 8808041 U1 19880825
- [A] US 2134207 A 19381025 - RUSSELL FRANK J
- [A] US 2755354 A 19560717 - DEHN WILLIAM F, et al

Cited by  
EP0715325A1; FR2727566A1; EP1197982A1; FR2815171A1; US6747219B1; WO0124213A1

Designated contracting state (EPC)  
DE GB IT SE

DOCDB simple family (publication)  
**EP 0455534 A1 19911106; EP 0455534 B1 19950607**; DE 69110195 D1 19950713; DE 69110195 T2 19950928; FR 2661548 A1 19911031; FR 2661548 B1 19920717; JP H0729475 A 19950131; US 5289146 A 19940222

DOCDB simple family (application)  
**EP 91401029 A 19910418**; DE 69110195 T 19910418; FR 9005560 A 19900430; JP 19375691 A 19910430; US 69124291 A 19910425