

Title (en)  
LOW TENSION CONTACTOR WITH A THREE-PHASE CONTACT SET

Publication  
**EP 0024000 B1 19830720 (DE)**

Application  
**EP 80104436 A 19800728**

Priority  
DE 2932407 A 19790809

Abstract (en)  
[origin: ES8104634A1] A low voltage contactor switch has three simultaneously actuated pairs of contacts each of which consists of a movable and a fixed contact, with contacting occurring in a single evacuated area within a vacuum tube for minimizing oxidation of the contact surfaces and thereby increasing contact life. The contacts are connected to terminals which extend through walls of the vacuum tube in air tight fashion with actuation of the movable contacts being undertaken with the use of an air-sealed bellows. Each contact pair may be individually isolated by a cylinder within the evacuated area surrounding each contact pair as well as by a Y-shaped plate dividing the evacuated area into three chambers.

IPC 1-7  
**H01H 33/66**; **H01H 1/02**

IPC 8 full level  
**H01H 33/66** (2006.01); **H01H 1/02** (2006.01); **H01H 33/664** (2006.01); **H01H 33/02** (2006.01)

CPC (source: EP US)  
**H01H 33/664** (2013.01 - EP US); **H01H 33/022** (2013.01 - EP US); **H01H 2033/024** (2013.01 - EP US); **H01H 2033/6668** (2013.01 - EP US)

Cited by  
CN111009443A

Designated contracting state (EPC)  
AT CH FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0024000 A1 19810218**; **EP 0024000 B1 19830720**; AR 222240 A1 19810430; AT E4260 T1 19830815; AU 520011 B2 19820107; AU 6117780 A 19810212; BR 8005006 A 19810224; CA 1141410 A 19830215; DE 2932407 A1 19810219; DE 2932407 C2 19820527; ES 494113 A0 19810316; ES 8104634 A1 19810316; JP S5628423 A 19810320; MX 148792 A 19830617; US 4306129 A 19811215; ZA 804826 B 19820224

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**EP 80104436 A 19800728**; AR 28201780 A 19800731; AT 80104436 T 19800728; AU 6117780 A 19800808; BR 8005006 A 19800808; CA 357704 A 19800806; DE 2932407 A 19790809; ES 494113 A 19800808; JP 10908480 A 19800808; MX 18347880 A 19800806; US 14570880 A 19800501; ZA 804826 A 19800808