

Title (en)
Electrical device with arc commutation

Title (de)
Elektrisches Gerät mit Bogenkommutierung

Title (fr)
Dispositif électrique à commutation d'arc

Publication
EP 0780861 A1 19970625 (FR)

Application
EP 96402803 A 19961218

Priority
FR 9515464 A 19951221

Abstract (en)
The proximity arc mechanism (20) is an electrical prong placed in close proximity to the input current section (15A) of the double contact circuit breaker. The circuit breaker is made up of two fixed contacts (13A,13B) making/breaking a bridge contact circuit (11a, 11B). A command mechanism (14) opens and closes the moving contact bridge (12). As the contact bridge opens, some of the arcing current is drawn off the proximity arc mechanism.

Abstract (fr)
Dispositif électrique à commutation d'arc vers un chemin de dérivation d'un organe à protéger. Le dispositif est à double coupure et une électrode 20 de transfert d'arc, à laquelle est associé le chemin 21 de dérivation shuntant l'organe à protéger 33, est disposée au voisinage du contact fixe amont 13A. <IMAGE>

IPC 1-7
H01H 9/46

IPC 8 full level
H01H 9/46 (2006.01); **H01H 71/12** (2006.01); **H01H 89/06** (2006.01)

CPC (source: EP US)
H01H 9/465 (2013.01 - EP US); **H01H 71/121** (2013.01 - EP US); **H01H 89/06** (2013.01 - EP US)

Citation (applicant)
• EP 0104981 A1 19840404 - MERLIN GERIN [FR]
• EP 0589779 A1 19940330 - TELEMECANIQUE [FR], et al

Citation (search report)
• [DY] EP 0589779 A1 19940330 - TELEMECANIQUE [FR], et al
• [Y] EP 0350825 A2 19900117 - ASEA BROWN BOVERI [DE]
• [A] EP 0205369 A1 19861217 - MERLIN GERIN [FR]
• [A] EP 0255992 A2 19880217 - BASSANI SPA [IT]
• [DA] EP 0104981 A1 19840404 - MERLIN GERIN [FR]

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DE GB IT

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EP 0780861 A1 19970625; **EP 0780861 B1 20011031**; AU 723390 B2 20000824; AU 7642496 A 19970626; BR 9606127 A 19981103; CA 2193715 A1 19970622; CN 1068699 C 20010718; CN 1157466 A 19970820; DE 69616488 D1 20011206; FR 2742916 A1 19970627; FR 2742916 B1 19980116; TW 308702 B 19970621; US 5777286 A 19980707; ZA 9610707 B 19970627

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EP 96402803 A 19961218; AU 7642496 A 19961220; BR 9606127 A 19961220; CA 2193715 A 19961220; CN 96123849 A 19961221; DE 69616488 T 19961218; FR 9515464 A 19951221; TW 85115962 A 19961224; US 77353496 A 19961223; ZA 9610707 A 19961219