

Title (en)
VACUUM CIRCUIT BREAKER

Publication
EP 0175349 A3 19880406 (EN)

Application
EP 85111755 A 19850917

Priority
JP 19473384 A 19840919

Abstract (en)
[origin: EP0175349A2] A vacuum circuit breaker has a vacuum vessel (2) in which are disposed a pair of opposing electrodes (8, 9) so as to be moved into and out of contact with each other, each of the electrodes (8,9) being made of a material consisting essentially of a main component such as Cu, Ag or the like and a low-melting point metal such as Bi, Pb, Te, Se or the like. A film (13) is formed on the surface of each electrode (8, 9) by, for example, evaporating a metal having a melting point equal to or higher than that of the main component of the electrode material.

IPC 1-7
H01H 1/02

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

CPC (source: EP KR)
H01H 1/0203 (2013.01 - EP); **H01H 33/66** (2013.01 - KR)

Citation (search report)

- [X] NL 45752 B
- [Y] FR 1347932 A 19640104 - HERAEUS GMBH W C
- [A] EP 0042152 A1 19811223 - HITACHI LTD [JP]
- [A] US 4420346 A 19831213 - BELKIN GERMAN S [SU], et al
- [A] FR 1437162 A 19660429

Cited by
DE3842919A1; EP0343663A3; US5109145A; EP0234246A1; US4749830A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0175349 A2 19860326; EP 0175349 A3 19880406; JP S6174222 A 19860416; KR 860002845 A 19860430

DOCDB simple family (application)
EP 85111755 A 19850917; JP 19473384 A 19840919; KR 850005584 A 19850802