

Title (en)

Method of joining a contact to an electrode.

Title (de)

Verfahren zur Verbindung eines Kontaktes mit einer Elektrode.

Title (fr)

Procédé pour lier un contact à une électrode.

Publication

EP 0123475 A1 19841031 (EN)

Application

EP 84302428 A 19840410

Priority

US 48478883 A 19830414

Abstract (en)

Method of joining an electrode to a contact having a material constituent with high vapor pressure in a final assembly stage of a vacuum device such as a vacuum interrupter. Attachment is effected during the vacuum-exhaust operation by providing an axially extending stem of a contact that is inserted into an axial bore in an electrode. A low vapor pressure, low melting point material such as tin (Sn) or the like is placed in the bore prior to the insertion of the stem. Venting means in the electrode purge the bore during the vacuum exhaust stage which provides sufficient heat to liquefy the conductive material which flows between the stem and electrode, bore wall where it eventually solidifies upon cooling.

IPC 1-7

H01H 33/66

IPC 8 full level

H01H 33/66 (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP)

H01H 33/664 (2013.01)

Citation (search report)

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- [X] US 3430015 A 19690225 - CROUCH DONALD W, et al
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- [A] FR 1437162 A 19660429

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EP0763841A3; WO2014031428A1

Designated contracting state (EPC)

CH DE GB IT LI NL

DOCDB simple family (publication)

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