

Title (en)

Vacuum circuit-breaker, vacuum bulb for use therein, and electrodes thereof

Title (de)

Vakuumschalter und dabei verwendeten Vakuumgehäuse und Elektroden

Title (fr)

Disjoncteur sous vide, ampoule sous vide et électrodes pour le même

Publication

EP 0917171 A3 19990728 (EN)

Application

EP 98121200 A 19981113

Priority

JP 31310597 A 19971114

Abstract (en)

[origin: EP0917171A2] The invention aims at providing a vacuum circuit-breaker, a vacuum bulb used therein and electrodes for the vacuum bulb, which can reduce the manufacturing cost while being of high performance and compact in size. The invention resides in a vacuum circuit-breaker, a vacuum bulb and electrodes for the vacuum bulb, which are characterized in that fixed and movable electrodes (30a, 30b) each comprise arc electrodes (1), whose entire surfaces, mutually facing each other, are made of an alloy containing a refractory metal and a highly conductive metal, and electrode rods (4) of a highly conductive metal supporting the respective arc electrodes, and that each arc electrode and the mating electrode rod are integrally formed by means of solid-phase diffusion bonding. <IMAGE> <IMAGE>

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H01H 33/66

IPC 8 full level

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CPC (source: EP)

H01H 33/664 (2013.01); **H01H 1/0203** (2013.01); **H01H 33/6643** (2013.01)

Citation (search report)

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