

Title (en)

Device for cathodically protecting a water heater and water heater featuring such a device

Title (de)

Vorrichtung für den kathodischen Schutz eines Wasserbehitzers und Wasserbehitzer mit dieser Vorrichtung

Title (fr)

Dispositif de protection cathodique de cuve de chauffe-eau et chauffe-eau équipé d'un tel dispositif

Publication

EP 0771889 A1 19970507 (FR)

Application

EP 96402233 A 19961021

Priority

FR 9512920 A 19951102

Abstract (en)

The protection assembly consists of a sleeve (4) with its end covered by an insulating element (9) which acts as a support for a non-consumable anode (10). The anode passes through the cover and is connected to an electronic circuit (11) by a conductor (12) passing through the inside of the sleeve. The circuit (11) is connected to the heater tank by a screw (2) and a bracket (1) which ensures a constant electrical contact with the tank. The circuit (11) incorporates a feeder, a polariser and a battery recharger. The insulating cover (9) comprises a pierced cap (30) which surrounds the anode and fits onto the end of the sleeve, with a plastic insulating seal (34) between them. The cap is made from a resilient material, such as an elastomer which is resistant to heat and chlorinating agents.

Abstract (fr)

Un dispositif de protection cathodique de chauffe-eau est conformé en bride d'obturation (1) portant simultanément un élément chauffant, et un thermostat (7) d'alimentation dudit élément chauffant avec deux bulbes (5, 6) de commande contenus dans un doigt de gant (4) portant à son extrémité un élément isolant (9) de support d'une anode (10) non consommable. <IMAGE>

IPC 1-7

C23F 13/08

IPC 8 full level

C23F 13/08 (2006.01)

CPC (source: EP)

C23F 13/08 (2013.01)

Citation (applicant)

- US 4407711 A 19831004 - BABOIAN ROBERT [US], et al
- US 4975560 A 19901204 - WARDY DAHER T [US], et al
- DE 2621962 A1 19761209 - CTC AB

Citation (search report)

- [A] DE 8815140 U1 19890119
- [A] US 4434039 A 19840228 - BABOIAN ROBERT [US], et al

Cited by

RU2613803C1; EP1046730A1; FR2792654A1; EP1174529A1; EP0952240A1; FR2777573A1; WO0194665A3

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