

Title (en)

Gas valve for an electronically controlled both gas burner without a permanent pilot flame

Title (de)

Gasventil für einen elektronisch gesteuerten Badgasbrenner ohne permanente Zündflamme

Title (fr)

Mécanisme gaz pour chauffe-bains à gaz sans veilleuse permanente à commande électronique

Publication

EP 0728990 A1 19960828 (FR)

Application

EP 96400288 A 19960213

Priority

FR 9501970 A 19950221

Abstract (en)

The mechanism has an ignition electrode (21) and flame detector (22), adjacent to the ignition burner (20). A control box (9) encloses a membrane (8) acting on a valve (6), admitting gas to the burner (3). The membrane forms two chambers (10,11) in the control box, one communicating with the gas admission chamber (2), upstream of the admission valve. A small valve (14), spring returned, communicates with the gas admission chamber (2,10), its operating coil (15) being controlled by an electronic circuit (23). This circuit also pilots the ignition burner, under control of the flame detector. An electromagnet (18) maintains the membrane in the open position, to admit gas to the burner, under control of the electronic circuit.

Abstract (fr)

La membrane (8) du boîtier de commande est reliée, par l'intermédiaire de la tige de liaison et d'une pastille métallique (25) montée en bout de la tige, avec un embout magnétique (18) disposé sous le boîtier de commande, qui assure le maintien de ladite membrane en position d'ouverture du clapet d'admission gaz au brûleur, sous le contrôle du boîtier électronique (23). Application aux appareils sans veilleuse permanente. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] DE 8901428 U1 19890323
- [A] EP 0240394 A1 19871007 - CHAFFOTEAUX ET MAURY [FR]
- [A] FR 2618527 A1 19890127 - GAZ DE FRANCE [FR]
- [A] DE 2006658 A1 19700903

Cited by

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