Title (en)

Gas cock with a piezoelectric system, and gas heated apparatus having such a gas cock.

Title (de)

Gashahn mit piezoelektrischer Vorrichtung und gasbeheizte Geräte mit einem solchen Gashahn.

Title (fr)

Robinet à gaz couplé à un système piézo-électrique et appareils à gaz incorporant un tel robinet.

Publication

EP 0098231 A1 19840111 (FR)

Application

EP 83420101 A 19830614

Priority

FR 8211034 A 19820617

Abstract (en)

1. Gas cock coupled to a piezoelectric system, constituted by at least : the said cock (15) comprising a body, a rotary driving axis (14) with an operating button (17) at its free end, the said piezoelectric system comprising at least one case (1), a piezoelectric element (2) contained in the latter, a movable striker (3) in the case in relation to the piezoelectric element, an elastic means (5) arranged in the said case, the said system being actuated from its position of rest by charging the elastic means, then by projecting the striker against the piezoelectric element under the effect of the charged elastic means, an intermediate piece (13, 20) to actuate the piezoelectric system, mounted coaxially in relation to the rotary driving axis (14), between the body of the cock (15) and the operating button (17), comprising on its periphery at least one activating member (13a, 20a) of the piezoelectric system, a means (16, 17b, 20c) allowing the rotary driving axis (14) to be coupled in rotation to the intermediate actuating piece (13-20), in the direction of opening the cock, the piezoelectric system remaining at or returning to its position of rest, when the rotary driving axis is rotating in the direction of closing the cock, characterized in that it comprises a connection (9, 19, 51) which is independent of the body of the cock (15) and of the operating button (17), is free in rotation in relation to the rotary driving axis (14) and mounted at least in part between the said body and the said button, and connected to the piezoelectric system (8).

Abstract (fr)

L'invention propose une liaison entre l'axe (14) d'un robinet (15) à gaz et un système piézo-électrique (8), pouvant être indépendante de l'appareil à gaz, et susceptible de suivre en translation le mouvement axial de la tige de commande (14), dans le cas d'un robinet à pointeau. L'invention s'applique notamment à l'allumage des appareils à gaz de cuisson et d'éclairage.

IPC 1-7

F23Q 3/00

IPC 8 full level

F23Q 3/00 (2006.01)

CPC (source: EP KR)

F23Q 3/002 (2013.01 - EP); **F23Q 7/00** (2013.01 - KR)

Citation (search report)

- [A] DE 1914214 A1 19701001 - JUNKERS & CO
- [A] DE 1962005 A1 19710616 - JUNKERS & CO
- [A] US 3768959 A 19731030 - ROHDE W, et al

Cited by

GB2181826A; GB2181826B

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0098231 A1 19840111; **EP 0098231 B1 19851009**; DE 3360977 D1 19851114; ES 272956 U 19840301; ES 272956 Y 19841001; FR 2528939 A1 19831223; FR 2528939 B1 19850125; JP S597827 A 19840117; KR 840005201 A 19841105; PT 76838 A 19830701; PT 76838 B 19860218

DOCDB simple family (application)

EP 83420101 A 19830614; DE 3360977 T 19830614; ES 272956 U 19830616; FR 8211034 A 19820617; JP 10799983 A 19830617; KR 830002649 A 19830615; PT 7683883 A 19830608