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(54) **Safety electromagnetic valve with internal spring**

(57) Electromagnetic flame safety gas valve of the type that is incorporated into a housing (6) of a domestic gas supply tap, that comprises an electromagnet (2) with a core (3) and a movable armature (4) attracted by the core (3) of the electromagnet (2) when it is switched on thereby opening a valve seat (20), a valve sealing member (9) connected to said movable armature (4) in order to move it, a protective casing (10) that houses the electromagnet (2) by enclosing it and a return spring (8) of the sealing member (9) in a rest position when the valve seat is closed. The protective casing (10) is extendable axially and comprises at least one moving element (12) that is moved in conjunction with the sealing member (9) and the movable armature (4), and the return spring (8) is housed in said protective casing (10).

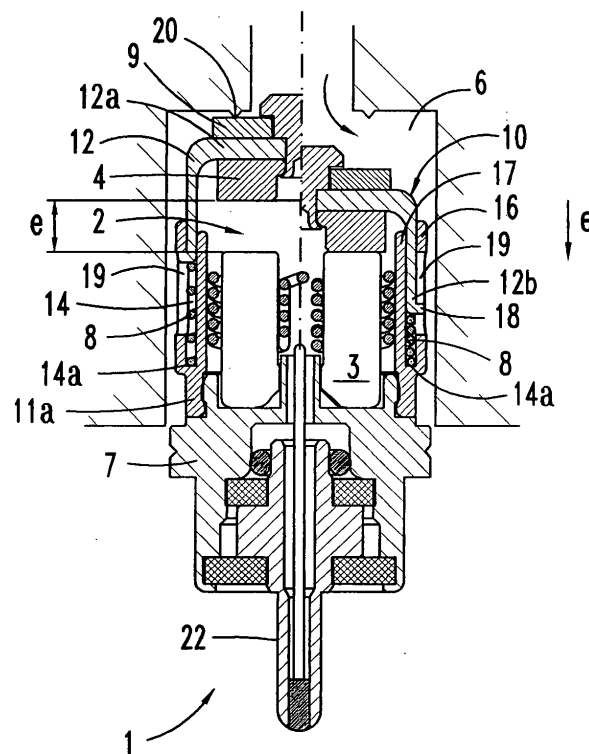


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F23N
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 29 August 2016	Examiner Busuiocescu, Bogdan
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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29-08-2016

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