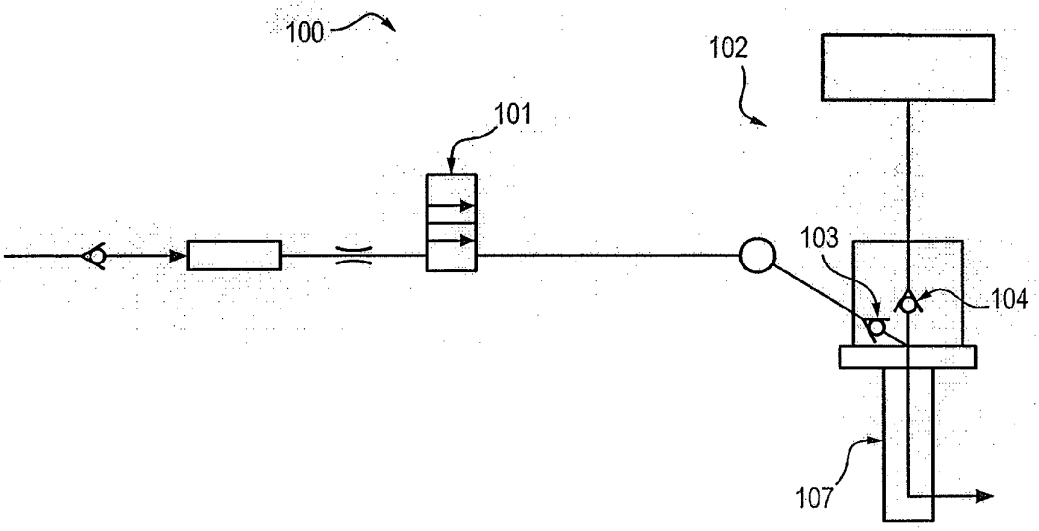
FIG. 1



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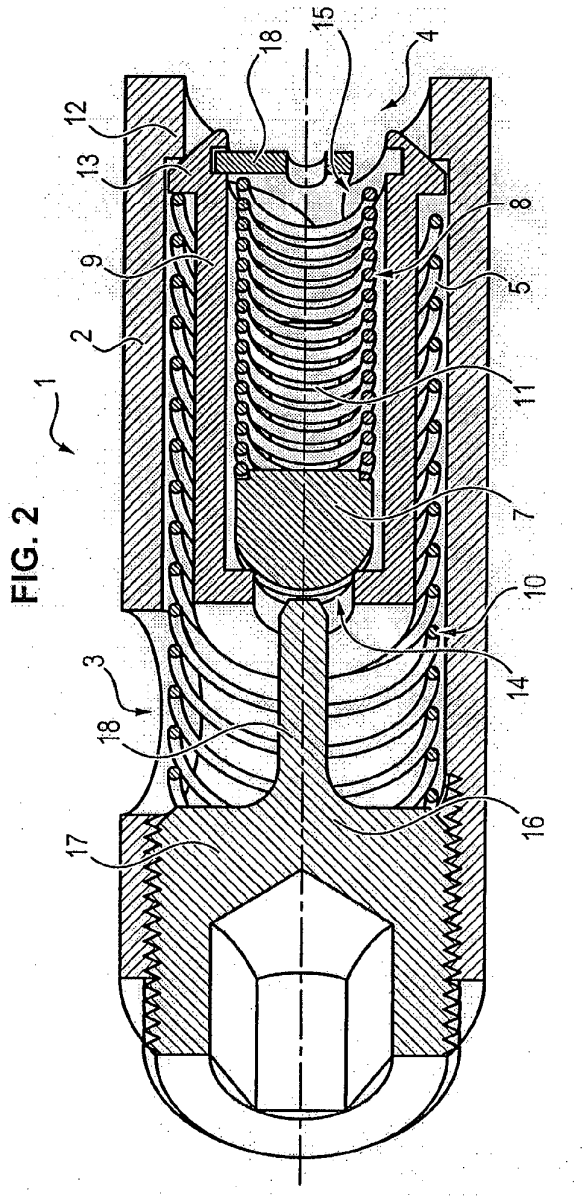

FIG. 2

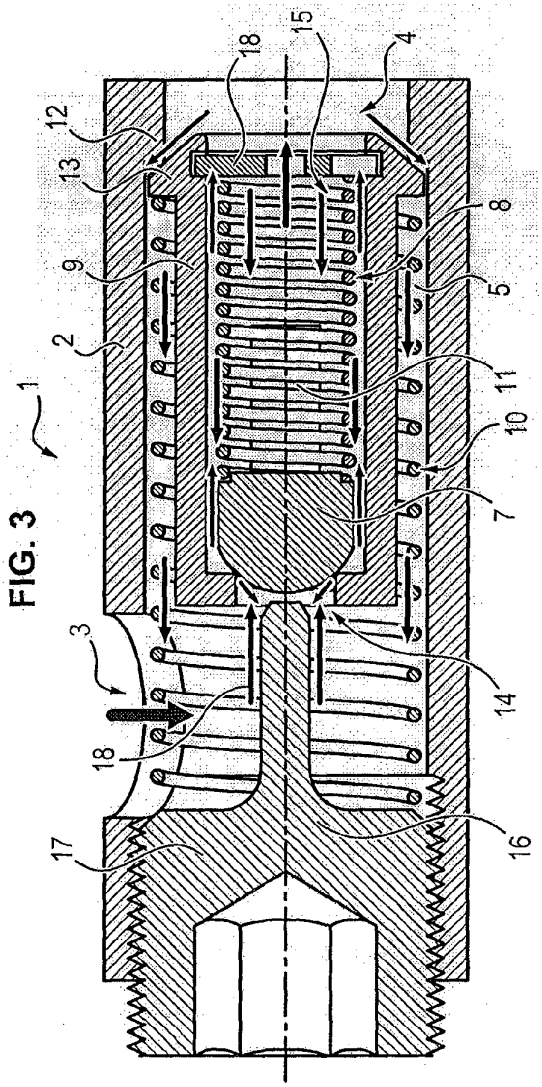

FIG. 3

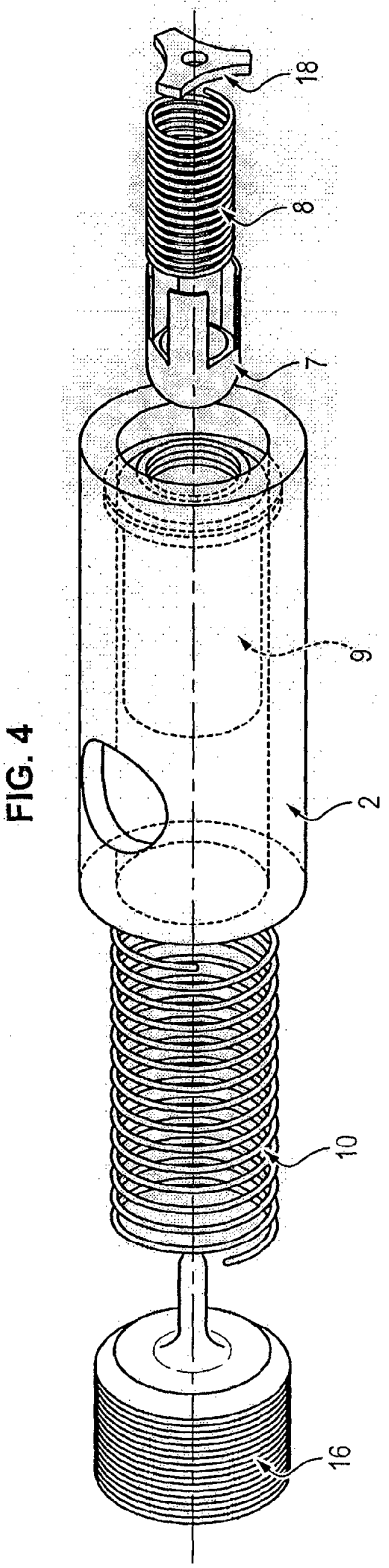

FIG. 4

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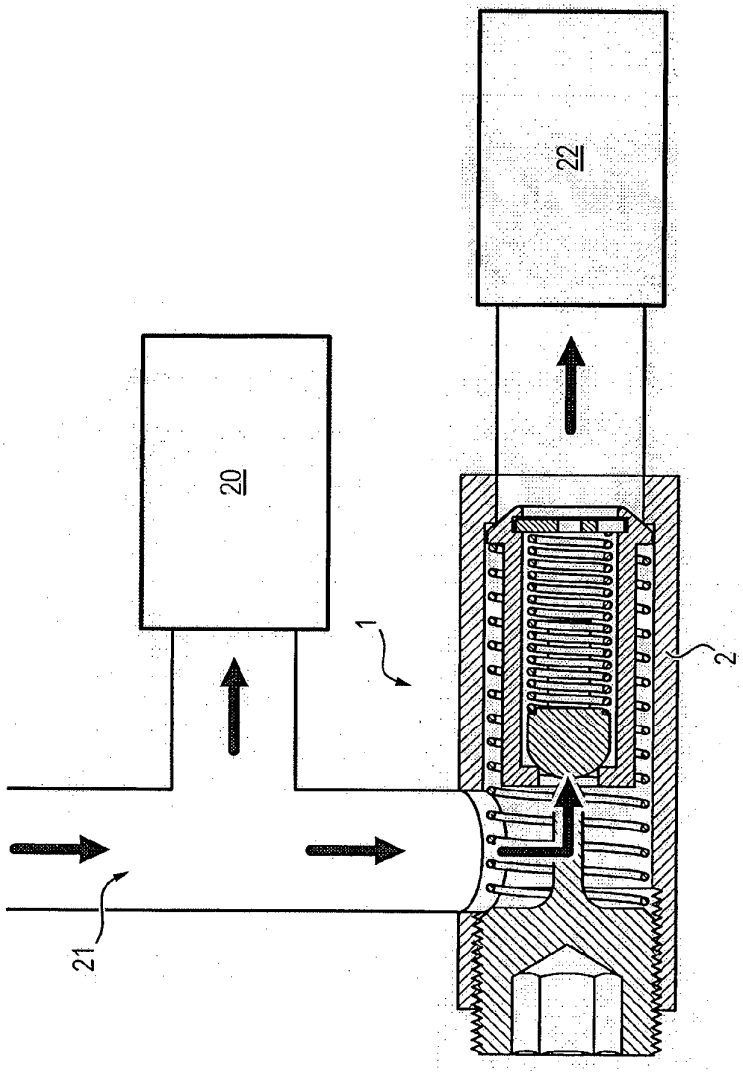
FIG. 5



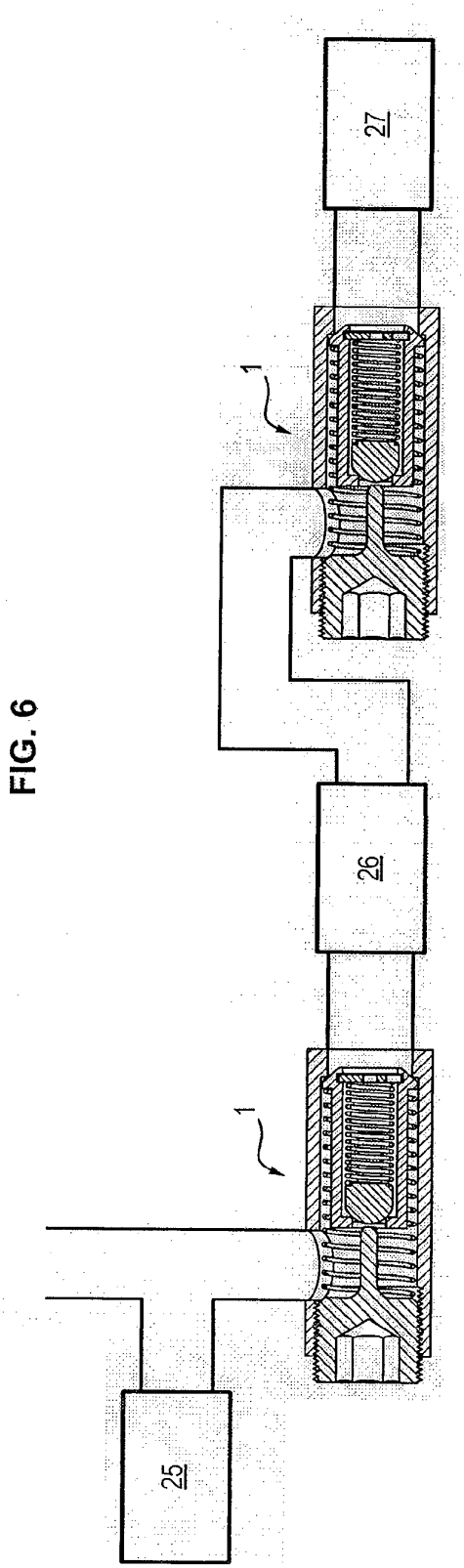


FIG. 6

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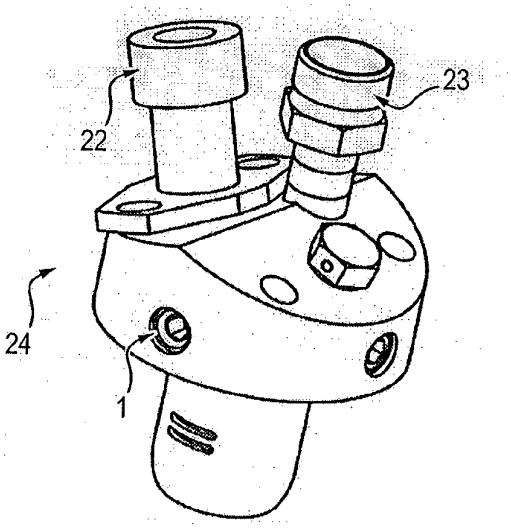
FIG. 7



I/We Claim:

1. A device (1) for combustion chamber injector in a turbomachine, characterized in that it includes:

a duct (2) having at least:

a first opening (3), and

a second opening (4),

a system (5) for blocking the duct, making it possible to regulate the passage of fluids in the duct (2), the blocking system (5) including:

a first head (7) mounted on a first elastic module (8), said first head (7) being capable of displacing to allow passage of fuel of the first opening (3) toward the second opening (4) only from a first pressure (P1) of the fuel, for passage of a supply of fuel,

a second head (9) mounted on a second elastic module (10), said second head (9) being capable of displacing to allow transverse of air from the second opening (4) toward the first opening (3) from the second pressure (P2), to allow passage of air from the second opening (4) toward the first opening (3) only from a second pressure (P2) of the air, for passage of purge air, the second pressure being greater than the first pressure, and

a stop (16) allowing blockage of the displacement of the first head (7) in the direction of displacement of the second head (9), the first elastic module (8) of the first head (7) being fixed at one end of the second head (9), such that the displacement of the second head (9) from the second pressure (P2) drives the displacement of the first head (7) toward the stop (16).

2. The device according to claim 1, wherein the first head (7) is capable of moving inside the second head (9).

3. The device according to one of claims 1 or 2, wherein the first head (7) and the second head (9) are capable of moving in translation in the duct (2), in opposite directions.

4. An assembly including:

a plurality of fuel injection elements (25, 26, 27), and

a plurality of devices according to one of claims 1 to 3, the blocking system (5) whereof is configured for passage of fuel from first pressures of different values, such that the injection elements are supplied with fuel from different pressures.

5. An injector for a combustion chamber of a turbomachine, characterized in that it includes a device according to one of claims 1 to 3.

6. A turbomachine including a combustion chamber injector according to claim 5.

Date 17 April 2015

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To,

The Controller of Patents

The Patent Office at **New Delhi**