

Title (en)

FILLING SYSTEM WITH THERMAL ACTUATING DEVICE

Title (de)

FÜLLSYSTEM MIT THERMISCHER BETÄTIGUNGSVORRICHTUNG

Title (fr)

SYSTÈME DE REMPLISSAGE DOTÉ D'UN DISPOSITIF D'ACTIONNEMENT THERMIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3693671A1] The present invention discloses a filling system for connecting a fluid supply to a pressurized fluid circuit. The filling system includes a filling device and a thermal actuating device. The filling device includes a main fluid passageway having an inlet port adapted for connection to the fluid supply and an outlet port adapted for connection to the fluid circuit, a manual valve interposed in the main fluid passageway to open and close a first fluid path defined by the main fluid passageway, and a bypass fluid passageway connected between the inlet port and the outlet port to conduct fluid around the manual valve. The thermal actuating device is associated with the bypass fluid passageway to open and close a second fluid path defined by the bypass fluid passageway. As the cost of a thermal actuating device is normally only a quarter of the cost of a solenoid valve, and only one manual valve is needed for the filling system, the cost, the size and the complexity in structure and operation of the apparatus can be greatly reduced.

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