

Title (en)

An improved valve assembly for plants providing both heating and domestic hot water

Title (de)

Verbesserte Ventilanordnung für Anlagen, die sowohl für Heizungs- als auch für Haushaltswasser vorgesehen ist

Title (fr)

Arrangement improv   de soupape pr  vu pour l'installations de chauffage ainsi que pour chauffe-eau domestique

Publication

EP 0693658 A1 19960124 (EN)

Application

EP 95108514 A 19950602

Priority

IT MI941522 A 19940720

Abstract (en)

A valve assembly for a combined plants adapted for providing both heating and sanitary hot water comprising a gas-fired boiler (1) and a main gas/water heat exchanger (20) of the type including an inner circuit (22) and an outer circuit (21). The valve assembly provides for a heating sub-group comprising a first section with a connection (1) for a pump (P) and a connection (8) for the return pipe from the room heating plant (R), and a second section comprising a connection (5A) to the outer circuit (21) of the heat exchanger (20) and incorporating a check valve (5), and a delivery connection (8A) to the heating plant (R). The two sections are connected by an automatic by-pass valve (30). The second or sanitary water distribution sub-group, comprises two connections (31, 32) to the drinkable water pipes, and two connections (11A, 12A) to the inner circuit (22) of the heat exchanger (20), a depression device (11) being provided in proximity of one (11A) of the connections to the heat exchanger (20), and a thermostatic device (12) for mixing the sanitary water being provided in proximity of the other connection (12A). <MATH>

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IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- IT MI920577 U 19920605
- IT MI920575 A 19920312

Citation (search report)

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- [A] DE 4027206 A1 19910411 - GOLD STAR CO [KR]
- [A] DE 4034917 A1 19910516 - VAILLANT JOH GMBH & CO [DE]
- [Y] BRENNWERTGER  TE TECHNIK VORSCHRIFTENERFAHRUNGEN Nr. 11 der ASUE-Schriftenreihe, February 1989 H.U. GLAUSER "Brennwert Umlaufwasserheizer f  r zentrale und dezentrale Heizsysteme", pages 70-73

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