

Title (en)

CONFIGURATION AND METHOD FOR CONTROLLING THE VOLUME OF WATER IN CIRCULATION FROM BOILER CIRCUIT TO HEATING CIRCUIT IN A HOT WATER HEATING SYSTEM.

Title (de)

ANORDNUNG UND VERFAHREN ZUM STEUERN DES WASSERMENGENDURCHLAUFVERHÄLTNISSSES VON KESSELKREISLAUF ZU HEIZKREISLAUF IN WARMWASSERHEIZUNGSANLAGEN.

Title (fr)

DISPOSITIF ET PROCEDE POUR LE REGLAGE DES CONDITIONS D'ECOULEMENT D'UN VOLUME D'EAU D'UN CIRCUIT DE CHAUDIERE VERS UN CIRCUIT DE CHAUFFAGE DANS DES INSTALLATIONS DE CHAUFFAGE A EAU CHAUDE.

Publication

EP 0483326 B1 19940921

Application

EP 91909693 A 19910521

Priority

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- EP 9100946 W 19910521

Abstract (en)

[origin: WO9118246A1] The volume of water in circulation is controlled by means of a bell-type mixer (4) which has a stationary section disc (6) and a somewhat sickle-shaped rotary distributor bell (7). The section disc has at least three separate passage openings, the first of which is connected with the boiler feed pipe (KV), the second (12) with the heating pipe (HV) and the third with the boiler return pipe. The distributor bell (7) is acted upon externally by the heating return water pressure and internally houses a communication duct (19). The distributor bell shunts the boiler feed pipe over a limited area of rotation via the second passage opening (12) with the heating pipe and simultaneously frees a variable area of the opening into the second passage for the admixture of return water. In this way optimal regulation is achieved with little structural, maintenance or operational outlay.

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