

Title (en)
WATER BOILER VOLUME COMPENSATING DEVICE FOR A HOT WATER BOILER

Publication
EP 0276475 A3 19881102 (DE)

Application
EP 87119183 A 19871224

Priority
DE 3700598 A 19870110

Abstract (en)
[origin: EP0276475A2] In the device, the water to be heated can be heated and stored in a water tank (5) which has a cold water supply and a hot water delivery. <??>In such hot water boilers, a thermal expansion of the water takes place during the heating period. In a closed water tank, this renders volume compensation necessary to avoid a harmful rise in pressure. <??>For the purpose of volume compensation and in order to avoid expansion water emerging in drip form at the consumer tapping point, there is connected fluidically to the water tank (5) a bellows (11) which can be extended via a pressure-controlled or temperature- controlled lifting device (13, 13') according to the temperature- conditioned change in volume of the heated tank water. <??>The volume-compensating device is suitable in particular for so- called open hot water boilers. <IMAGE>

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F24H 1/18; **F24D 3/10**

IPC 8 full level
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CPC (source: EP US)
F24H 1/188 (2013.01 - EP US); **Y10T 137/6606** (2015.04 - EP US)

Citation (search report)
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