

Title (en)

Expansion vessel for domestic hot water in connection with a connector assembly

Title (de)

Ausdehnungsgefäß für erwärmtes Trinkwasser in Verbindung mit einer Anschlussarmatur

Title (fr)

Vase d'expansion pour eau chaude sanitaire conjointement avec une armature de connexion

Publication

**EP 0602430 B1 19960717 (DE)**

Application

**EP 93119100 A 19931126**

Priority

DE 4242036 A 19921212

Abstract (en)

[origin: EP0602430A1] An expansion vessel for heated drinking water has a hollow space (52) which is closed off by a membrane (42) and is connected to a drinking-water heater. A compressed-gas space (54), bounded by a housing (40), adjoins the hollow space (52). The connector assembly (58) is constructed, for connection of the hollow space (52) to an inlet (70) and for direct connection of the inlet (70) to an outlet (72), in such a way that a drinking-water current is generated through the hollow space (52) when hot drinking water is drawn off. For this purpose, the connector assembly (58) has a direct flow passage (76), passing the hollow space (52), between inlet (70) and outlet (72) and furthermore establishes a flow path (86) which runs, in terms of flow, parallel to the direct flow passage (76) and through the hollow space (52). Arranged in this parallel flow path (86) is a suction device (96), by which a suction can be generated by means of the flow of drinking water flowing in the direct flow path, which suction is used to be able to generate, when drinking water is drawn off, a flow via the parallel flow path (86), through the hollow space (52), into a downstream part (72) of the direct flow path. <IMAGE>

IPC 1-7

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

IPC 8 full level

**F24D 3/10** (2006.01); **F24H 1/18** (2006.01)

CPC (source: EP)

**E03B 7/075** (2013.01); **F24D 3/1008** (2013.01); **F24D 3/1016** (2013.01); **F24D 3/1041** (2013.01); **F24H 1/188** (2013.01)

Cited by

FR2795490A1; DE202008010289U1; EP2149729A1; EP0905454A3; US5988218A; CN100458299C; GB2555425A; GB2555425B; EP0779477A1; NL1001915C2; DE19818281C2; DE19826882C2; EP1063477A1; NL1003615C2; EP3228943A1; DE102014009378A1; EP0905454A2; DE19529959A1; DE19529959C2; GB2466542A; GB2466542B; WO2018078341A1; EP1239230A1; DE202008016920U1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0602430 A1 19940622**; **EP 0602430 B1 19960717**; AT E140527 T1 19960815; DE 4242036 A1 19940616; DE 4242036 B4 20040415; DE 59303258 D1 19960822; DK 0602430 T3 19961202; ES 2090825 T3 19961016; GR 3021381 T3 19970131

DOCDB simple family (application)

**EP 93119100 A 19931126**; AT 93119100 T 19931126; DE 4242036 A 19921212; DE 59303258 T 19931126; DK 93119100 T 19931126; ES 93119100 T 19931126; GR 960402754 T 19961016