Title (en)
Modular housing with multiple inlets and outlets for primary and / or secondary circuits in heating and cooling plants

Title (de)
Modulares Gehäuse mit mehreren Ein- und Auslässen für primären und/oder sekundären Kreislauf in Heizungs- und kühlungsanlagen

Title (fr)
Boîtier modulaire avec multiples entrées et sorties pour circuits primaires et/ou secondaires dans des installations de chauffage et de réfrigération

Publication
EP 1396686 A2 20040310 (EN)

Application
EP 03018704 A 20030825

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IT VR20020087 A 20020906

Abstract (en)
In comparison with the known solutions, the housing according to the present invention is very advantageous because it is modular and is provided with centred or offset connections, threaded groove-and-tongue joints, flanged connections or other kind of connections of various sizes and shapes while previously, components with soldered or fused connections were used, which were fixed in the sense of direction and had a predetermined number of inlets and outlets. Basically, the housing (1) includes a plurality of modular elements (2) which are placed between two bottom elements or bottoms (3). The shape of each modular elements is substantially cylindric. The modular elements (2) project from the body of pipe-fittings or connections (4). The arrangement of the said connections (4) is orthogonal to the housing axis and tangential to the housing circumference so as to allow the inner flow of the liquid to form inner whirl flows. These inner flows permit a better mixing with a better stratification and separation of the microbubbles. <IMAGE>

IPC 1-7
F24D 3/10

IPC 8 full level
F24D 3/10 (2006.01)

CPC (source: EP)
F24D 3/1066 (2013.01); **F24D 3/1075** (2013.01)

Citation (applicant)
DE 2829216 A1 19800117 - HEWING KG

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