

Title (en)
HEAT EXCHANGER ASSEMBLY

Title (de)
WÄRMETAUSCHERBAUGRUPPE

Title (fr)
ENSEMBLE ÉCHANGEUR DE CHALEUR

Publication
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Application
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Priority
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Abstract (en)
[origin: EP4113045A1] The present invention relates to a heat exchanger assembly to be immersed in a fluid comprising an arrangement of shells (3) wherein the shells (3) are in fluid communication with each other and closed at both ends forming a heat exchange chamber, while between the shells there are spaces (3a) open at both ends through which the fluid in which the exchanger is immersed flows freely, the assembly is fitted with supply means (6,7,10a) that feed another fluid into the shells (3), and with drain means (8,9,10) that drain said fluid from the shells (3). The exchanger assembly is characterised in that it comprises a central shaft (11) rotatably supported at both ends, a cylindrical chamber (1) arranged around the shaft (11), said cylindrical chamber (1) being permanently and hermetically fixed around the shaft (11) and rotating with the shaft (11), filled with air, and a driving unit (100) that sets the exchanger assembly in motion, wherein the shells (3) are arranged and permanently fixed around the cylindrical chamber (1) and rotating with the shaft (11) and the cylindrical chamber (1), while the shaft (11), the cylindrical chamber (1) and the shells (3) are arranged concentrically.

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