

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR

Publication  
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Application  
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Abstract (en)  
[origin: WO9746846A1] The present invention relates to a heat exchanger (1) and in particular to a heat exchanger comprising a static mixer device (6) element (8) having a heat exchange surface in thermal connection with a temperature control means (7). Very efficient temperature control of fluids (17) can be achieved with the heat exchanger which produces a very thorough mixing of the fluid flow so that the fluid (17) in contact with the heat exchange surface (8) is repeatedly exchanged with other parts of the fluid flow so as to bring different parts of the fluid into contact with the heat exchange surface until substantially the whole of the fluid flow has been contacted by the heat exchanger (1) thereby facilitating a particularly accurate and uniform control of the temperature of the fluid flow. Fluids that may have their temperature controlled with the heat exchanger invention may be organic and/or inorganic and include for example water, biological fluids such as blood or plasma, food products such as mayonnaise, ice cream and industrial products such as paints, chemicals.

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