

Title (en)

HEAT EXCHANGER, METHODS AND MEANS FOR MAKING SAME

Title (de)

WÄRMETAUSCHER, VERFAHREN UND MITTEL ZU DESSEN HERSTELLUNG

Title (fr)

ECHANGEUR THERMIQUE PROCEDES ET MOYENS DE FABRICATION DE CET ECHANGEUR

Publication

**EP 1579163 A1 20050928 (FR)**

Application

**EP 03813175 A 20031212**

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Abstract (en)

[origin: US2006048923A1] The invention concerns an elementary heat exchanger comprising a single elongated active monobloc component ( 10 ), enclosed in a casing provided with coolant inlet and outlet. The casing consists of two half-shells ( 11 a-b), welded together ( 98 a-b, 114 a-b), fixed to the active component. The active component ( 10 ) comprises a fishbone cross-section ( 10 a-b), whereof the bones ( 12 a-b) are hollow, oblique, embossed and globally symmetrical. The active component is made from a blank made of resistant material (for example a polymer), in the form of biconvex stiff-walled bellows ( 33 - 35 - 37 - 39 ), comparable to those of an accordion whereof the peaks have been struck off ( 36 ), narrow bases ( 38 ) and a spacing ( 16 ) between said bases.

IPC 1-7

**F28D 9/00**

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