

Title (en)  
A FLAT TUBE

Title (de)  
FLACHRÖHRE

Title (fr)  
TUBE PLAT

Publication  
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Application  
**EP 22151651 A 20220114**

Priority  
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Abstract (en)  
The object of the invention is, among others, a flat tube (1) for the flow therein of a fluid in a heat exchanger, the tube (1) being formed by bending a sheet metal strip (2) along the length of the strip, the tube comprising: a first main wall (4); a second main wall (5) parallel to the first main wall (4), said main walls (4, 5) being substantially flat; and two complementary side wall portions (6) joining said main walls together so as to define a closed profile of the tube (1), said strip (2) defining over its width a middle region and two intermediate regions on either side of said middle region, the first main wall (4) of the tube (1) being formed from said middle region, said second main wall (5) of the tube (1) comprising two wall portions (5A, 5B) each formed from a respective one of said intermediate regions, with said wall portions (5A, 5B) of the second main wall (5) being juxtaposed in substantially a common plane, a median wall (7) defined by a double thickness of the sheet metal strip (2) with one part attached to a first wall portion (5A) and the other part attached to a second wall portion (5B), and inner walls (8A, 8B) each formed from a respective one of said parts of the median wall (7), wherein a first piece of said inner wall is at least partially fixed and parallel to the first main wall (4), and a second piece of said inner wall is joining the main walls (4,5) within the middle region of the tube (1), wherein the strip 2 further comprises at least one deformation (9) configured to locally deviate the surface of any of the walls (4,5,6 5A, 5B).

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Citation (search report)  
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• [Y] US 2006201665 A1 20060914 - YU WEN F [US], et al  
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