

Title (en)  
A FIN BODY FOR A HEAT EXCHANGE TUBE

Title (de)  
RIPPENKÖRPER FÜR EIN WÄRMETAUSCHERROHR

Title (fr)  
CORPS D'AILETTE POUR UN TUBE D'ÉCHANGE DE CHALEUR

Publication  
**EP 3650799 A1 20200513 (EN)**

Application  
**EP 18382793 A 20181107**

Priority  
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Abstract (en)  
The present invention relates to a fin body intended for being housed inside a heat exchange tube which is one from among heat exchange tubes showing a planar configuration. The fin body is configured in the form of a plate, this plate being the one inserted into the heat exchange tube. The plate is configured from a metal sheet bent into a plurality of consecutive bends. The invention is characterized by a range of characteristic width to height ratio in the interval of 0.15-0.5, and according to more specific cases, in the lower subranges. As a result, the fin gives rise to a heat exchange tube with a higher efficiency than fins known in the state of the art without penalizing the pressure drop.

IPC 8 full level  
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Citation (search report)

- [Y] US 2007056721 A1 20070315 - USUI SHOICHIRO [JP], et al
- [Y] CN 102997741 B 20141203 - API HEAT TRANSFER SUZHOU CO LTD
- [Y] EP 3156753 A1 20170419 - KORENS CO LTD [KR]
- [Y] WO 2012000779 A2 20120105 - VALEO SYSTEMES THERMIQUES [FR], et al

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**EP 18382793 A 20181107**; CN 201911082041 A 20191107; US 201916675900 A 20191106