

Title (en)
FIN SOLUTION RELATED TO MICRO CHANNEL BASED HEAT EXCHANGER

Title (de)
RIPPENLÖSUNG IM ZUSAMMENHANG MIT AUF MIKROKANAL BASIERENDEM WÄRMETAUSCHER

Title (fr)
SOLUTION D'AILETTE ASSOCIÉE À UN ÉCHANGEUR DE CHALEUR À BASE DE MICROCANAU

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Application
EP 14756963 A 20140130

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Abstract (en)
[origin: WO2014133395A1] This invention relates to micro-groove tube and micro channel or multiport based heat exchangers of aluminium for heat exchange or heat recovery in systems such as refrigeration or heat pump, in particular a condenser or evaporator in such systems. The heat exchanger includes, beyond the micro channel or multiport extrusions, serpentine fins (9) attached to the extrusions (7, 8) and inlet an outlet manifolds collectors/distributors (15) connected to the extrusions. The serpentine fins (9) are provided transversally in relation to the extrusions (7, 8) and laying with their side edges (10, 11) perpendicular to the extrusions (7, 8). The extrusions may be of the multiport extrusion type, so-called MPE (5) or a web type extrusion, web-MPE (12) with individual ports or micro channels (13) interlinked with thinner flanges or webs (14).

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