

Title (en)
EVAPORATOR PIPE WITH OPTIMISED EXTERNAL STRUCTURE

Title (de)
VERDAMPFERROHR MIT OPTIMIERTER AUßENSTRUKTUR

Title (fr)
TUBE POUR ÉVAPORATEUR AVEC STRUCTURE EXTERNE OPTIMISÉE

Publication
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Application
EP 12794195 A 20121121

Priority

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Abstract (en)
[origin: WO2013091759A1] The invention relates to a metal heat exchanger tube (1) for the evaporation of liquids on the outside (21) of the tube, comprising a tube axis, a tube wall (2), and integrally formed ribs (3) that run circumferentially on the outside (21) of the tube. The ribs (3) have a rib foot (31), rib flanks (32), and a rib tip (33), wherein the rib foot (31) projects substantially radially from the tube wall (2). A respective groove (35) is located between every two ribs (3) that are adjacent to one another in the axial direction. At least first (41), second (42), and third (43) lateral material projections, which are formed from the material of the ribs (3), are arranged on a first, second, and third level on the rib flanks (32) in such a way that the grooves (35) are largely covered by all of the material projections (41, 42, 43). According to the invention, the first (41), second (42), and third (43) lateral material projections are formed on levels that are in each case differently spaced apart from the tube wall (2) in the radial direction.

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