

Title (en)
Baffle suitable for evaporators

Title (de)
FÜR VERDAMPFER GEEIGNETE ABLENKPLATTE

Title (fr)
CHICANE APPROPRIÉE POUR ÉVAPORATEURS

Publication
EP 2955469 A1 20151216 (EN)

Application
EP 14382488 A 20141202

Priority
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Abstract (en)
The present invention relates to a baffle suitable for evaporators which allows increasing heat transfer in a heat exchanger incorporating a stack of these baffles, since this stack forces the flow of the fluid to be evaporated transverse to the bundle of tubes, particularly according to a helical trajectory with a long path. The helical trajectory of the liquid flow also helps preventing production of stagnation points even in zones where the liquid has not yet evaporated. Baffle manufacture is cost effective because it allows manufacturing by means of stamping. The manufacture of a heat exchanger incorporating a stack of such baffles is also cost effective because of the ease of inserting the baffles within the shell of the exchanger and because there is no need to axially fix the position of each baffle along the tubes through which hot gas, transferring the heat required in the phase change of the fluid to be evaporated, circulates.

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Citation (applicant)
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