

Title (en)

SPACER ELEMENT WITH SURFACE TEXTURING, HEAT EXCHANGER COMPRISING SUCH AN ELEMENT

Title (de)

ABSTANDSELEMENT MIT OBERFLÄCHENTEXTURIERUNG, WÄRMETAUSCHER MIT EINEM SOLCHEN ELEMENT

Title (fr)

ELEMENT INTERCALAIRE A TEXTURATION DE SURFACE, ECHANGEUR DE CHALEUR COMPRENANT UN TEL ELEMENT

Publication

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Application

EP 18839835 A 20181217

Priority

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- FR 2018053341 W 20181217

Abstract (en)

[origin: WO2019122663A1] The invention concerns a spacer element (22) for a brazed plate-fin heat exchanger, intended to be mounted between a first plate (6) and a second plate (7) of the exchanger, said spacer element (22) comprising at least one first assembly portion (121) configured to be assembled with the first plate (6) and comprising a first pair of opposing surfaces (121a, 121b), one (121a) of the surfaces of the first pair being oriented towards the first plate (6) and the other (121b) of the surfaces of the first pair being oriented towards the second plate (7) when the spacer element (22) is in the mounted state, a plurality of corrugated fins or legs (123) extending from said first assembly portion (121) so as to delimit a plurality of channels (26) for the flow of a first fluid, when the spacer element (22) is in the mounted state, and at least one surface texturing (23) in the form of a porous structure or reliefs formed on a surface of the spacer element (22), at least one corrugated fin or leg (123) having said surface texturing (23). According to the invention, the first assembly portion (121) has said surface texturing (23) on the surface (121a) of the first pair oriented towards the first plate (6), when in the mounted state.

IPC 8 full level

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Citation (search report)

See references of WO 2019122663A1

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