

Title (en)  
COMPACT SIDE PLATE FOR AUTOMOTIVE CONDENSER

Title (de)  
KOMPAKTE SEITENPLATTE FÜR KRAFTFAHRZEUGKONDENSATOR

Title (fr)  
PLAQUE LATÉRALE COMPACTE POUR CONDENSEUR D'AUTOMOBILE

Publication  
**EP 3196583 A1 20170726 (EN)**

Application  
**EP 17151908 A 20170118**

Priority  
IT UB20160140 A 20160120

Abstract (en)  
A corner junction arrangement for a heat exchanger, comprising a header (13, 15) including a tubular metal vessel (13a, 15a) and an end closure element (13b, 15b), and a side plate (19) consisting of flat metal sheet, which extends orthogonally to the header (13, 15) and is fastened to the end thereof, the side plate (19) having an end tab (21, 23) inserted within the axial slot (13d, 15d) formed in the collar wall portion (13c, 15c) of the tubular vessel (13a, 15a). The end closure element (13b, 15b) has a flat surface (13f) that extends radially from the center to the periphery of the end closure element (13b, 15b) at the axial slot (13d, 15d) formed in the collar wall portion (13c, 15c) of the tubular vessel (13a, 15a), and the end tab (21, 23) of the side plate (19) is joined by means of material coupling to the end closure element (13b, 15b) at said flat surface.

IPC 8 full level  
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CPC (source: EP)  
**F28F 9/002** (2013.01); **F28F 9/0202** (2013.01)

Citation (search report)

- [A] JP H11337290 A 19991210 - ZEXEL CORP
- [A] DE 10343634 A1 20050414 - MODINE MFG CO [US]

Cited by  
EP4113046A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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