

Title (en)

MANIFOLD ASSEMBLY FOR A PARALLEL FLOW HEAT EXCHANGER.

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Application

EP 92918281 A 19920821

Priority

- US 9206853 W 19920821
- US 75020091 A 19910827

Abstract (en)

[origin: WO9304334A1] A manifold assembly (110) for use with heat exchangers comprises an extruded unitary tank (120) having a substantially U-shaped cross section and a unitary stamped header plate (150) which can either be substantially planar or have a substantially U-shaped cross section. The longitudinal bottom edges (144) of the tank (120) are crimped around the longitudinal side edges (160) of the header plate (150), and the mating surfaces are brazed substantially along their entire lengths. The inner walls (132, 152) of the manifold assembly (110) can include opposed transverse slots (180) therein for receiving baffles (190) for adjusting the flow path within the assembled manifold (110). The tank (120), header plate (150), and baffles (190) are formed of aluminum and aluminum alloy materials suitable for furnace brazing.

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CPC (source: EP)

F28F 9/0212 (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0243** (2013.01); **F28D 2021/0084** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9304334A1

Cited by

US5695802A; EP1933106A1; US8263006B2

Designated contracting state (EPC)

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WO 9304334 A1 19930304; AT E145053 T1 19961115; AU 2490292 A 19930316; CA 2116352 A1 19930304; DE 69215098 D1 19961212; DE 69215098 T2 19970430; EP 0599972 A1 19940608; EP 0599972 A4 19940629; EP 0599972 B1 19961106; ES 2093843 T3 19970101; JP H06508915 A 19941006

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