

Title (en)  
HEAT EXCHANGER

Publication  
**EP 0070371 B1 19850717 (DE)**

Application  
**EP 82104446 A 19820521**

Priority  
DE 8121511 U 19810722

Abstract (en)  
[origin: EP0070371A1] 1. Heat exchanger, more especially for utilising exhaust gas heat, comprising a group of heattransfer tubes (8), which are arranged in a tubular casing (4) and are provided with baffle plates (6), the said tubes being respectively fixed on the input side and the output side in a tube base (10, 11), and with a protective tube base (13) arranged on the inlet side of the heat exchanger at a small distance before the tube base on the entry side, before which base (13) is provided an entry chamber (20) and in which are arranged short tubes (14) projecting partially into the heat transfer tubes (8), characterised in that the short tubes (14) project beyond the tube base (10) into the heat transfer tubes (8) and that the space between the tube base (10) and the protective tube base (12) is sealed off outwardly at the periphery with a packing (18) arranged between the tube base (10) and the protective tube base (12).

IPC 1-7  
**F28F 9/02**

IPC 8 full level  
**F28F 9/02** (2006.01)

CPC (source: EP)  
**F28F 9/0229** (2013.01)

Cited by  
US2016215735A1; EP3032209A1; CN105698572A; CN104285120A; RU2633562C2; US9791214B2; WO2013171190A1

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