

Title (en)

HEAT EXCHANGER FOR HIGH-PRESSURE FLUID

Title (de)

WÄRMETAUSCHER FÜR FLUIDEN UNTER HOHEM DRUCK

Title (fr)

ECHANGEUR DE CHALEUR POUR FLUIDE SOUS PRESSION ELEVEE

Publication

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Application

EP 00922766 A 20000427

Priority

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Abstract (en)

[origin: FR2793014A1] A heat exchanger for heat extraction of a refrigerating fluid such as CO₂, comprising at least one collecting box defined by a solid body (41) with a thick wall capable of resisting the high pressure of said fluid, and communicating with a row of flat tubes (44). In order to limit bulkiness in the width of the heat exchanger, only one part of the length of the cross section of the tubes is located opposite the inner volume of said body, whereby tightness of the fluidic communication between the tubes and the inner volume is obtained by means of a cradle (50) in the form of a shaped strip receiving said body and brazed thereto on the periphery of the tubes. The invention can be used to aircondition passenger compartments in vehicles.

IPC 8 full level

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