

Title (en)
SURFACE HEAT EXCHANGER FOR THE RECUPERATION OF HEAT

Publication
EP 0051036 B1 19850403 (FR)

Application
EP 81440023 A 19811020

Priority
FR 8022751 A 19801023

Abstract (en)
[origin: EP0051036A1] 1. Surface heat exchanger for the recuperation, by a circulating fluid, the waste heat contained in heat-carrying effluents, more particularly combustion fumes, and comprising two concentric tubes, an inner tube (2) defining a central passage (4) for the effluents to be cooled and an outer tube (3) surrounding the inner tube at a distance so as to define therebetween a peripheral annular space (5) forming a "water jacket" in which the fluid to be heated flows, and which communicates with the outside through two pipes (8, 9) provided on the outer tube (3) respectively for the inlet of the fluid to be heated into the annular space (5) and its outlet, which exchanger is characterized in that it comprises one duct (10) passing longitudinally through the central region of the inner tube (2) and mounted with the water jacket (2, 3) so that the fluid to be heated passes through the exchanger while being divided therein into two parallel circuits.

IPC 1-7
F28D 21/00; **F28D 7/10**; **F28F 9/22**

IPC 8 full level
F28D 7/10 (2006.01); **F28D 21/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)
F28D 7/106 (2013.01); **F28D 21/0007** (2013.01); **F28F 9/22** (2013.01)

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