

Title (en)

HEAT EXCHANGER, ESPECIALLY FOR COOLING A CRACKING GAS

Publication

EP 0377089 B1 19920129 (DE)

Application

EP 89119375 A 19891019

Priority

DE 3842727 A 19881219

Abstract (en)

[origin: EP0377089A1] The cooling of cracked gas is served by a heat exchanger having a tube bundle held between two tube plates (2), and two terminal chambers (4) which adjoin the tube plates (2) and narrow to form a socket (5). Arranged in the terminal chamber (4) on the inlet side are inserts which consist of rods that are bent to form round or polygonal, concentrically arranged rings (7). The rings (7) are arranged at a distance from the tube plate (2) in an extension of the socket (5) on the inlet side, and preferably along the surface of a cone pointing with the apex towards the gas inlet, on a surface which essentially corresponds to the cross-sectional surface of this socket (5). <IMAGE>

IPC 1-7

C10G 9/00; F28F 19/00

IPC 8 full level

F28F 9/22 (2006.01); **C10G 9/00** (2006.01); **F28F 19/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP US)

C10G 9/002 (2013.01 - EP US); **F28F 9/0265** (2013.01 - EP US); **F28F 19/00** (2013.01 - EP US); **F28D 2021/0075** (2013.01 - EP US)

Cited by

CN105020690A; DE19534823C2; US9127893B2; WO9532263A1; WO2007068343A1

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DOCDB simple family (publication)

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