

Title (en)
Heat exchanger for cooling cracked gas

Title (de)
Wärmetauscher zum Kühlen von Spaltgas

Title (fr)
Echangeur de chaleur pour refroidissement de gaz de craquage

Publication
EP 0718579 B1 19991110 (DE)

Application
EP 95111740 A 19950726

Priority
DE 4445687 A 19941221

Abstract (en)
[origin: EP0718579A2] A heat exchanger to cool cracked gases has a pair of concentric tubes (6,4), forming a cooling jacket around the gas in the inner cooling tube (4). At each end of the tubes a chamber (7,8) is welded to them, for the supply and removal of cooling medium. In the novel construction, the water chambers are sturdily fabricated from thick metal strip, and have a number of tube assemblies along their length. For each cooling tube (4), there is a surrounding circular depression (11). These are spaced apart along the strip and their diameter is at least as large as that of the outer tube (6). At the base of each depression is a thin circular section (12).

IPC 1-7
F28F 9/02; **F28D 7/10**; **F28F 9/18**; **C10G 9/00**

IPC 8 full level
C10G 9/00 (2006.01); **C10G 9/18** (2006.01); **F28D 7/00** (2006.01); **F28D 7/10** (2006.01); **F28F 9/02** (2006.01); **F28F 9/16** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP US)
C10G 9/002 (2013.01 - EP US); **C10G 9/18** (2013.01 - EP US); **F28D 7/106** (2013.01 - EP US); **F28F 9/02** (2013.01 - EP US); **F28F 9/18** (2013.01 - EP US); **F28D 2021/0075** (2013.01 - EP US)

Cited by
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