

Title (en)
HEAT EXCHANGER FOR COOLING A REACTION GAS

Publication
EP 0418534 A3 19911023 (DE)

Application
EP 90115139 A 19900807

Priority
DE 3931685 A 19890922

Abstract (en)
[origin: EP0418534A2] The heat exchanger serves for cooling fission gas produced in a tubular furnace, and consists of a cooled single tube (1) which is directly connected to a tube of the tubular furnace. The single tube (1) merges via a distributor chamber (5) into the tubes (2) of a shell-and-tube heat exchanger. The outer tube (3) surrounding the single tube (1) and the outer casing (9) surrounding the tube bundle are connected to one another and each provided only with a socket (13, 14) serving to feed or remove coolant. <IMAGE>

IPC 1-7
F28D 7/16

IPC 8 full level
F28D 7/00 (2006.01); **F28D 7/10** (2006.01); **F28D 7/16** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)
F28D 7/0066 (2013.01); **F28D 7/0075** (2013.01); **F28D 7/1676** (2013.01); **F28F 9/0246** (2013.01); **F28D 2021/0075** (2013.01)

Citation (search report)
• [A] DE 2037382 A1 19720203 - BBC SULZER TURBOMASCHINEN
• [A] DE 1015021 B 19570905 - ATLAS WERKE AG

Cited by
CN103256835A; DE102012017405A1; CN111964489A; EP2814144A1; EP2282140A4; EA011836B1; WO2014198655A3; WO2007039199A1

Designated contracting state (EPC)
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