

Title (en)

Cast, light-metal, substantially cylindrical heat exchanger

Title (de)

Gegossener, leichtmetallender, im wesentlichen zylindrischer Wärmetaucher

Title (fr)

Echangeur de chaleur coulé de métal léger, essentiellement cylindrique

Publication

EP 0794392 A1 19970910 (EN)

Application

EP 97200702 A 19970310

Priority

NL 1002561 A 19960308

Abstract (en)

A heat exchanger, manufactured from light metal by means of casting technique, comprising at least a water duct, a burner space and elements increasing the heat-transferring area, wherein the heat exchanger 1 comprises a closed, substantially cylindrical inner wall 2, wherein the water duct 5 extends along the outside of the inner wall 2 and the burner space 11 extends inside the inner wall 2, wherein, on the inside, the elements 6 increasing the heat-transferring area such as projections and/or partitions extend from the inner wall 2 in at least two directions which include an angle relative to each other, wherein the heat exchanger 1 has a substantially circular cross section and the elements 6 increasing the heat-transferring area are distributed over almost the entire inner circumference of the inner wall 2 in at least a part of the heat exchanger 1. <IMAGE>

IPC 1-7

F24H 1/26; **F24H 1/43**; **F24H 9/00**

IPC 8 full level

F24H 1/26 (2006.01); **F24H 1/43** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)

F24H 1/26 (2013.01); **F24H 1/43** (2013.01); **F24H 9/0026** (2013.01); **F28D 7/026** (2013.01); **F28D 7/106** (2013.01); **F28F 1/124** (2013.01); **F28F 1/42** (2013.01); **F28F 1/426** (2013.01); **F28F 2255/14** (2013.01)

Citation (search report)

- [X] FR 695311 A 19301213 - GAWA PATENTVERWALTUNGS A G
- [A] FR 854120 A 19400405

Cited by

EP2278234A1; EP1767880A1; EP3076102A1; EP1450114A1; EP1278025A2; EP1722172B1; EP1722172A1

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