

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

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

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