

Title (en)

HEAT EXCHANGER, METHOD OF PRODUCING SUCH AN EXCHANGER, AND BOILER COMPRISING SUCH AN EXCHANGER

Title (de)

WÄRMETAUSCHER, VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN WÄRMETAUSCHERS UND KESSEL MIT EINEM SOLCHEN WÄRMETAUSCHER

Title (fr)

APPAREIL ECHANGEUR DE CHALEUR, PROCEDE DE PRODUCTION D'UN TEL APPAREIL ET CHAUFFE-EAU COMPRENANT UN TEL APPAREIL

Publication

EP 1627190 A1 20060222 (EN)

Application

EP 04721907 A 20040319

Priority

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- IT MI20030769 A 20030411

Abstract (en)

[origin: WO2004090434A1] A heat exchanger (4) for a gas boiler (1) for producing hot water has a casing (13) extending along a first axis (A1) and through which combustion fumes flow; a tube (14) housed inside the casing (13), extending along a second axis (A2), and coiled about the first axis (A1) to form a succession of turns (19) along which water flows; and a deflecting disk (15) for directing the fumes between successive turns (19) in a given direction (DI) ; the tube (14) having a first and a second fin (25, 26) which are located on opposite sides of the tube (14), and are continuous and parallel to the second axis (A2) and to the aforementioned given direction (DI).

IPC 1-7

F24H 1/43; **F28F 1/16**; **F28D 7/02**

IPC 8 full level

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CPC (source: EP)

F24H 1/43 (2013.01); **F28D 7/024** (2013.01); **F28F 1/02** (2013.01); **F28F 1/16** (2013.01); **F28F 9/0132** (2013.01); **F28F 2009/226** (2013.01)

Citation (search report)

See references of WO 2004090434A1

Cited by

EP2375183A1; KR101496361B1; ITMI20100590A1; ITMI20100626A1; ITMI20100589A1; AT515329A3; AT515329B1; US10371413B2; US8028746B2; US10151476B2; WO2011128764A1; EP3141838A1; EP2434227A2; EP3141841A1; DE102011016565A1; EP3141839A1; EP3141840A1

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