Title (en)

Method for manufacturing a heat exchanger for a condensing boiler by casting and mould core used for carrying out said method

Title (de)

Verfahren zum Herstellen eines Wärmetauschers für einen Brennwertkessel durch Giessen sowie bei der Durchführung des Verfahrens anzuwendender Kern für eine Giessform

Title (fr)

Procédé pour fabriquer un échangeur de chaleur pour chaudière à condensation par coulée ainsi que noyau de moulage permettant de mettre en oeuvre ledit procédé

Publication

EP 1247601 A3 20041103 (DE)

Application

EP 02003705 A 20020219

Priority

DE 10114705 A 20010323

Abstract (en)

[origin: DE10114705A1] Production of a heat exchanger for a condensing boiler comprises preparing a casting mold, equipping the casting mold with cores forming the water and combustion gas surfaces in the heat exchanger, casting the molding, and removing and processing the cast heat exchanger. A specified number of identical cores (1) forming the water surfaces are arranged alternately in a row with identical cores forming the combustion gas surfaces and are cast together in the molding as a monoblock. An Independent claim is also included for a core forming the water surface having a basic plate-shape design. Preferred Features: The number of cores depends on the desired power of the heat exchanger.

IPC 1-7

B22C 9/26; B22C 9/10; F28F 21/08; F24H 1/32

IPC 8 full level

B22C 9/10 (2006.01); **B22C 9/26** (2006.01); **F24H 1/32** (2006.01); **F28F 9/26** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)

B22C 9/103 (2013.01); **B22C 9/26** (2013.01); **F24H 1/32** (2013.01); **F28F 9/26** (2013.01); **F28F 21/084** (2013.01)

Citation (search report)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 02003705 A 20020219; AT 02003705 T 20020219; DE 10114705 A 20010323; DE 50208519 T 20020219; DK 02003705 T 20020219; ES 02003705 T 20020219