

Title (en)  
INTEGRALLY FORMED, COMBINED HEAT EXCHANGER

Title (de)  
INTEGRIERTER KOMBINIRTER WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR COMBINE, INCORPORE

Publication  
**EP 0902869 B1 20000913 (EN)**

Application  
**EP 97923327 A 19970522**

Priority  
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• NL 1003215 A 19960528

Abstract (en)  
[origin: WO9745681A1] The invention relates to a combined heat exchanger (1) for heating tap water and central heating-water by means of hot gases, comprising tap water ducts (10) and central heating water ducts (9), wherein the tap water ducts (10) and the central heating water ducts (9) are incorporated in a single heat exchanger body (2). According to the invention the tap water ducts (10) and the central heating water ducts (9) are arranged alternately at least in a first part of the heat exchanger body. According to a preferred embodiment the heat exchanger body (2) is manufactured from aluminium or an alloy containing aluminium and the tap water ducts are provided with an internal layer (16). The use of aluminium enables a further decrease in the flue gas temperatures; possible condensation moisture formed when the dew point is reached does not adversely affect the aluminium.

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**F24H 1/48**

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