

Title (en)  
BOILER CONDENSATION MODULE

Title (de)  
KESSELKONDENSATIONSMODUL

Title (fr)  
MODULE DE CONDENSATION DE CHAUDIERE

Publication  
**EP 1828690 A1 20070905 (EN)**

Application  
**EP 05823518 A 20051215**

Priority  
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• IT DP20040005 A 20041220

Abstract (en)  
[origin: WO2006067820A1] The invention concerns a boiler condensation module, characterised in that it comprises a water/fume heat exchanger (E) and a closed circuit compression thermodynamic frigorific apparatus, said module (2) being communicated with a boiler (1) intercepting the flow of the fumes and the flow of the water, in order to subtract sensitive heat and vaporisation latent heat to the fumes of the boiler to yield the same as heat to the system water thus improving the combustion efficiency.

IPC 8 full level  
**F24H 8/00** (2006.01); **F24H 4/02** (2006.01)

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**F24H 4/02** (2013.01 - EP KR US); **F24H 8/00** (2013.01 - EP KR US); **F24D 2200/046** (2013.01 - EP); **F24D 2200/12** (2013.01 - EP US); **F24D 2200/18** (2013.01 - US); **Y02B 10/70** (2013.01 - US); **Y02B 30/00** (2013.01 - EP US); **Y02B 30/52** (2013.01 - US)

Citation (search report)  
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**WO 2006067820 A1 20060629**; CA 2591258 A1 20060629; CN 101080598 A 20071128; EA 011442 B1 20090227; EA 200701095 A1 20071228; EP 1828690 A1 20070905; IT DP20040005 A1 20050320; JP 2008524552 A 20080710; KR 20070090935 A 20070906; NO 20073373 L 20070907; US 2008110601 A1 20080515

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