

Title (en)  
BURNER HEATED APPARATUS, ESPECIALLY WATER HEATER

Publication  
**EP 0315577 A3 19890823 (DE)**

Application  
**EP 88730235 A 19881026**

Priority  
• AT 24288 A 19880208  
• AT 108788 A 19880428  
• AT 246688 A 19881006  
• AT 289987 A 19871103

Abstract (en)  
[origin: EP0315577A2] In a burner-heated apparatus with a heat exchanger (3) which is arranged in the waste gas guide (2) of the burner (1), which leads to a chimney (5) or similar waste gas take-off, and is flowed through by the waste gases of this burner (1), a portion, which can be selected as required, of the waste gases from the combustion chamber (8) is conducted directly into the chimney (5) or similar waste gas installation, in order that the temperature there is not allowed to fall below the dew point and as a result the formation of condensate is prevented. The size of this waste gas portion to be conducted off directly into the chimney (5) or similar can be defined from case to case taking the respective local conditions into consideration. The supply of uncooled waste gases can take place via a bypass guide (9) or the heat absorption capacity of the heat exchanger (3) can be reduced selectively. <IMAGE>

IPC 1-7  
**F24H 9/00**

IPC 8 full level  
**F24H 1/40** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)  
**F24H 1/40** (2013.01); **F24H 9/0026** (2013.01); **F24H 9/0036** (2013.01); **F28F 1/32** (2013.01); **F28F 2215/04** (2013.01)

Citation (search report)  
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• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 286 (M-429)(2009), 13. November 1985; & JP,A,60 126 540 (HITACHI SEIDAKUSHO K.K.) 06-07-1985, Zusammenfassung.  
• [A] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 197 (M-239)(1342), 27. August 1983; & JP,A,58 095 144 (MATSUSHITA SEIKO K.K.) 06-06-1983, Zusammenfassung.

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