

Title (en)  
Heating device

Title (de)  
Heizungsgerät

Title (fr)  
Appareil chauffant

Publication  
**EP 1248051 A1 20021009 (EN)**

Application  
**EP 01201277 A 20010406**

Priority  
EP 01201277 A 20010406

Abstract (en)  
The heating device (2) has a housing (5) with an internal combustion zone. A fuel inlet (7) covered by a removable lid (8) includes a combustion air inlet with combustion gases removed through a chimney (13). A heat exchanger (10) mounted above the combustion chamber has multiple water tubes (11) with gills (12) to improve heat transfer. Guide tubes (15,18) control water flow through the water tubes (11).

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

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

CPC (source: EP)  
**F24H 1/0054** (2013.01)

Citation (applicant)  

- US 881362 A 19080310 - RINSUM ALBERT W VAN [US]
- US 966147 A 19100802 - WILLS EDGAR B [US]
- US 1268202 A 19180604 - ANDERSON MARTIN E [US]
- US 1468561 A 19230918 - FRIEND HARDY A
- US 4455997 A 19840626 - EVANS HAWLEY R [US], et al

Citation (search report)  

- [AD] US 4455997 A 19840626 - EVANS HAWLEY R [US], et al
- [A] GB 356494 A 19310910 - GUSTAV LINGNER

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1248051 A1 20021009; EP 1248051 B1 20060614**; AT E330188 T1 20060715; DE 60120635 D1 20060727

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