

Title (en)  
WATER HEATER FOR OPEN FIREPLACE

Publication  
**EP 0030202 B1 19850417 (FR)**

Application  
**EP 80420128 A 19801119**

Priority  
FR 7929201 A 19791121

Abstract (en)  
[origin: EP0030202A2] 1. Device enabling water to be heated for central heating and sanitary equipment, incorporating a horizontal tube (2) placed before the grate, on which are branched several tubes (3) which extend horizontally to form the bottom of the grate and which are then bent substantially at 90 degree to extend vertically and form the back of the grate, these tubes (3) having a bend of substantially 100 degrees which makes them return overhanging their horizontal part and then forming a hairpin to return backwards where they are branched on a second horizontal tube (5), situated above and having a diameter greater than that of the said horizontal tube (2), characterized in that it additionally incorporates steel skids (8) which extend vertically and which are arranged laterally at the vertical part of the said tubes (3), these skids (8) making it possible to hold the vertical part of the said tubes (3) at a distance from the back of the hearth and to concentrate the heat on these tubes (3).

IPC 1-7  
**F24B 9/04**; **F24B 1/18**

IPC 8 full level  
**F24B 1/18** (2006.01); **F24B 1/182** (2006.01); **F24B 1/183** (2006.01); **F24B 9/04** (2006.01)

CPC (source: EP)  
**F24B 1/182** (2013.01); **F24B 1/183** (2013.01)

Citation (examination)

- US 1426976 A 19220822 - GUSTAVE GABET
- GB 570674 A 19450717 - FREDERICK WALTER BAUER, et al
- FR 2377580 A2 19780811 - MAREIGNER JACKY [FR]
- FR 2394020 A1 19790105 - GRAVIER DENIS [FR]
- FR 1010288 A 19520609
- NL 7903447 A 19801104 - EERSTE ROTTERDAMSE FABRIEK VAN

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0030202 A2 19810610**; **EP 0030202 A3 19810701**; **EP 0030202 B1 19850417**; AT E12824 T1 19850515; DE 3070527 D1 19850523; FR 2470339 A1 19810529

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