

Title (en)
Heat storing fireplace

Title (de)
Wärmespeicherkamin

Title (fr)
Cheminée d'accumulateur de chaleur

Publication
EP 0939280 A3 20030108 (EN)

Application
EP 99660035 A 19990223

Priority
FI 980446 A 19980226

Abstract (en)
[origin: EP0939280A2] Heat storing fireplace comprising a firebox (2) provided with a grate (1) and a combustion space (3) above it, side channels (4,6) on both sides of the firebox and combustion space, leading to a chimney flue, heat storing material (5) placed above the combustion space, throat apertures (11,12) opening from the combustion space below the heat storing material for passing the combustion gases into the side channels, and a circulation channel (7) disposed around the heat storing material for passing hot gases around it. The circulation channel (7) forms a combustion gas channel surrounding the heat storing material (5) by its sides and top. In addition, the fireplace is provided with at least one flow controller (8, 9, 10) for directing the combustion gases asymmetrically into the side channels (4,6) so as to produce a circulating flow in a certain direction in the circulation channel (7). <IMAGE>

IPC 1-7
F24B 5/02; **F24B 1/24**

IPC 8 full level
F24B 1/24 (2006.01); **F24B 5/02** (2006.01)

CPC (source: EP)
F24B 1/24 (2013.01); **F24B 5/02** (2013.01)

Citation (search report)

- [A] EP 0806142 A1 19971112 - NUNNANLAHDEN UUNI OY [FI]
- [A] US 5347977 A 19940920 - LEHIKONEN ANTTI [FI], et al
- [A] DE 450876 C 19271010 - CARL HOFF

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EP1344980A3; CN104048326A; CN103884026A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0939280 A2 19990901; **EP 0939280 A3 20030108**; **EP 0939280 B1 20041229**; AT E286231 T1 20050115; DE 69922861 D1 20050203; DE 69922861 T2 20051229; FI 105948 B 20001031; FI 980446 A0 19980226; FI 980446 A 19990827

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