

Title (en)
Fireplace or heat storage stove

Title (de)
Kamin oder Ofen mit Wärmespeicherung

Title (fr)
Cheminée ou poêle à accumulation

Publication
EP 1473520 A1 20041103 (EN)

Application
EP 04466012 A 20040423

Priority
CZ 20031182 A 20030428

Abstract (en)
The method of utilizing the thermal energy from the fireplace or stove, the principle of which consists in the fact that the combustion energy is used only for heating up the accumulation reservoir, whereas mentioned accumulation reservoir releases accumulated thermal energy into connected heat appliances. <??>The fireplace or stove as per the design, the principle of which consists in the fact that all peripheral surfaces forming the hearth of the fireplace or stove (1) are provided with the thermal insulation (3). At the same time, liquid thermal exchanger (2) is installed between the hearth and thermal insulation (3) of the fireplace or stove (1), which is connected through its secondary liquid circuit (4) with at least one accumulation reservoir (5). <??>The secondary liquid circuit (4) of the thermal exchanger (2) is advantageously connected into the closed-loop circuit with the liquid circulation allowing a direct connection to the heat distribution circuit and/or the fireplace or stove (1) design includes valve connected with the hot-air heating circuit. <IMAGE>

IPC 1-7
F24B 1/187; **F24B 1/183**

IPC 8 full level
F24B 1/183 (2006.01); **F24B 1/187** (2006.01)

CPC (source: EP)
F24B 1/183 (2013.01); **F24B 1/187** (2013.01)

Citation (applicant)
• CZ 280436 B6 19960117 - COMBUSTION ENG [US]
• CZ 284632 B6 19990113 - EVT ENERGIE & VERFAHRENSTECH [DE]

Citation (search report)
• [Y] DE 3721454 A1 19890112 - FLANDERKA KARL [DE]
• [Y] BE 891239 A 19820525 - BRANCKAERTS ANDRE
• [A] US 4299178 A 19811110 - WILSON JOHN W

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EP2017530A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1473520 A1 20041103; CZ 20031182 A3 20041215

DOCDB simple family (application)
EP 04466012 A 20040423; CZ 20031182 A 20030428