

Title (en)
HIGH-PERFORMANCE HEATING APPARATUS

Title (de)
HEIZUNG MIT HOHEM WIRKUNGSGRAD

Title (fr)
APPAREIL DE CHAUFFAGE A HAUT RENDEMENT

Publication
EP 1563228 A1 20050817 (FR)

Application
EP 03776683 A 20031114

Priority

- EP 03776683 A 20031114
- BE 0300199 W 20031114
- EP 02447226 A 20021120
- US 44578603 P 20030206

Abstract (en)
[origin: WO2004046615A1] The invention concerns a multiple-fuel heating apparatus characterized in that: the combustion chamber (1) forms the main support structure of the heating apparatus and is made of sheet metal bent and welded (2) so as to be completely sealed, optionally except at the joint with said door; the elements (20) forming the outer cover are fixed to the combustion chamber, the fixing elements not passing through the chamber and said elements not being necessarily fixed together.

IPC 1-7
F24B 13/02; **F24B 1/02**

IPC 8 full level
F24B 1/02 (2006.01); **F24B 13/02** (2006.01)

CPC (source: EP US)
F24B 1/02 (2013.01 - EP US); **F24B 1/028** (2013.01 - EP US); **F24B 5/025** (2013.01 - EP US); **F24B 13/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2004046615A1

Cited by
EP2275744A1; WO2013092718A1; US9945563B2; EP2343482A1; WO2011082936A1; US9074774B2

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 PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004046615 A1 20040603; AT E360785 T1 20070515; AU 2003286009 A1 20040615; CA 2498289 A1 20040603; CA 2498289 C 20120410; DE 60313486 D1 20070606; DE 60313486 T2 20070816; EP 1426691 A1 20040609; EP 1563228 A1 20050817; EP 1563228 B1 20070425; ES 2285212 T3 20071116; US 2005279344 A1 20051222

DOCDB simple family (application)
BE 0300199 W 20031114; AT 03776683 T 20031114; AU 2003286009 A 20031114; CA 2498289 A 20031114; DE 60313486 T 20031114; EP 02447226 A 20021120; EP 03776683 A 20031114; ES 03776683 T 20031114; US 13357505 A 20050519