

Title (en)
Fire place

Title (de)
Kaminofen

Title (fr)
Poêle de cheminée

Publication
EP 1750071 A1 20070207 (DE)

Application
EP 05107139 A 20050802

Priority
EP 05107139 A 20050802

Abstract (en)
The domestic wood-burning stove (12) has a grate (9) for burning, with an air supply (1). At least one diversion channel (10) for hot gas is after the grate, containing an adsorbent material (11) at least partially. Fine organic dust is adsorbed to be burned in a later combustion phase. The adsorbent material is contained in a net using highly porous lava, zeolite or active carbon.

IPC 8 full level
F24H 3/06 (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP)
F23B 80/04 (2013.01); **F23J 15/022** (2013.01); **F24H 3/067** (2013.01)

Citation (applicant)
• US 1603925 A 19261019 - SANDAGE JACOB R
• EP 1353125 A1 20031015 - FRAUNHOFER GES FORSCHUNG [DE]
• US 6041771 A 20000328 - HAYES CECIL JOSEPH [CA]

Citation (search report)
• [A] US 1603925 A 19261019 - SANDAGE JACOB R
• [A] US 4646713 A 19870303 - HONIGSBAUM RICHARD F [US]
• [A] EP 0947236 A1 19991006 - ENGELHARD CORP [US]
• [A] US 6319484 B1 20011120 - SHORE LAWRENCE [US], et al

Cited by
EP2306087A1; DE102011012266A1; ITCS20120009A1; EP1985929A3; EP2492593A3; DE102013020398A1; EP2492593A2; EP3008383A1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1750071 A1 20070207; EP 1750071 B1 20100317; EP 1750071 B2 20121107; AT E461403 T1 20100415; DE 502005009232 D1 20100429; DK 1750071 T3 20100705; DK 1750071 T4 20130211

DOCDB simple family (application)
EP 05107139 A 20050802; AT 05107139 T 20050802; DE 502005009232 T 20050802; DK 05107139 T 20050802