

Title (en)
Latent storage heater

Title (de)
Latentspeicherofen

Title (fr)
Poêle à accumulation latent

Publication
EP 2187145 A2 20100519 (DE)

Application
EP 09012106 A 20090923

Priority
DE 102008057911 A 20081118

Abstract (en)
The generator (1) has a combustion gas guiding unit (37) that is partially led via a latent heat storage unit (5), such that heat of combustion gas in the guiding unit is partially released to a heat storage material (6) e.g. tile, in the storage unit. The material is provided in powder form and has a melting point in the range of 200 to 400 degree celsius. The material takes up a preset volume in a molten state, where the volume is less than that of the material in a solid state. The storage unit is separate from a combustion unit (2).

Abstract (de)
Wärmeerzeuger, umfassend: eine Verbrennungseinrichtung (2); einen Latentwärmespeicher (5, 5'); und eine Verbrennungsgasführung (37, 37'), wobei die Verbrennungsgasführung (37, 37') wenigstens teilweise derart durch den Latentwärmespeicher (5, 5') geführt ist, dass Wärme des in der Verbrennungsgasführung (37, 37') geführten Verbrennungsgases wenigstens teilweise an Wärmespeichermaterial (6, 6') in dem Latentwärmespeicher (5, 5') abgegeben wird.

IPC 8 full level
F24H 3/08 (2006.01); **F24H 7/04** (2006.01)

CPC (source: EP)
F24H 3/088 (2013.01); **F24H 7/0483** (2013.01); **F24D 2200/06** (2013.01); **F24D 2200/067** (2013.01); **F24D 2220/10** (2013.01)

Cited by
CN102261741A; CN106931642A; EP2500658A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2187145 A2 20100519; **EP 2187145 A3 20150429**; **EP 2187145 B1 20170315**; DE 102008057911 A1 20100520;
DE 102008057911 B4 20130829

DOCDB simple family (application)
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