

Title (en)  
Heating device

Title (de)  
Heizgerät

Title (fr)  
Appareil de chauffage

Publication  
**EP 2306113 A3 20131113 (DE)**

Application  
**EP 10009764 A 20100917**

Priority  
DE 102009043289 A 20090929

Abstract (en)  
[origin: EP2306113A2] The device has a burner arranged in a burner chamber that is axially limited by a covering element (4). The burner chamber is radially limited by a helically coiled heat exchanger, and the covering element is provided with a prefabricated cooling channel (5) for forming a cover cooling unit, where the cooling channel is formed as a pipeline with a circular cross section. The cooling channel is hydraulically connected with a heating circuit of a heating system, where the covering element is formed from aluminum casting.

IPC 8 full level  
**F24H 1/43** (2006.01)

CPC (source: EP)  
**F23M 7/04** (2013.01); **F23M 9/10** (2013.01); **F24H 1/43** (2013.01)

Citation (search report)

- [AD] EP 1562006 A1 20050810 - VIESSMANN WERKE KG [DE]
- [A] WO 2004036121 A1 20040429 - REALISATION MECANIQUE ENGENEE [FR], et al
- [A] US 6415724 B1 20020709 - ALBRECHT MELVIN J [US], et al
- [A] DE 4207500 A1 19930916 - VARGA ZELJKO DIPL ING, et al
- [A] WO 2006045884 A1 20060504 - ANDRITZ OY [FI], et al

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Designated contracting state (EPC)  
AL 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)  
BA ME RS

DOCDB simple family (publication)  
**EP 2306113 A2 20110406; EP 2306113 A3 20131113**; DE 102009043289 B3 20110428

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**EP 10009764 A 20100917**; DE 102009043289 A 20090929