

Title (en)  
HEATER HAVING AUTOMATIC FIRE EXTINGUISHER

Title (de)  
HEIZER MIT AUTOMATISCHEM FEUERLÖSCHER

Title (fr)  
DISPOSITIF DE CHAUFFAGE POSSÉDANT UN EXTINCTEUR AUTOMATIQUE

Publication  
**EP 3002516 A1 20160406 (EN)**

Application  
**EP 15002299 A 20150802**

Priority  
KR 20140131363 A 20140930

Abstract (en)  
Disclosed is a heater having an automatic fire extinguisher, the heater including: a heater body including a fuel tank; a wick elevation unit fixed to the heater body and having an outer container having an opened upper end and a hollow air tank installed to be spaced apart from an inner surface of the outer container and having an opening at an upper end thereof, for elevating a wick between the outer container and the air tank; a combustion tank disposed at an upper end of the wick elevation unit; a vent cap for opening and closing the opening at the upper end of the air tank, a temperature detection unit installed on the bottom surface of the vent cap to face the hollow portion of the air tank and located on a side opposite to a side which flames face; and an automatic fire extinguisher for receiving a signal from the temperature detection unit and lowering the wick. Because the temperature detection unit faces a side opposite to a side which flames of the wick face, the temperature detection unit can be prevented from being damaged.

IPC 8 full level  
**F23N 5/00** (2006.01); **F23D 3/18** (2006.01); **F23D 3/26** (2006.01); **F23D 3/28** (2006.01); **F23N 5/02** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP KR)  
**F23D 3/18** (2013.01 - EP); **F23D 3/26** (2013.01 - EP); **F23D 3/28** (2013.01 - EP); **F23N 5/003** (2013.01 - EP); **F23N 5/027** (2013.01 - EP); **F23N 5/247** (2013.01 - EP); **F24C 5/06** (2013.01 - KR); **F24C 5/16** (2013.01 - KR)

Citation (applicant)  
KR 101129325 B1 20120326 - PASECO CO LTD [KR]

Citation (search report)  
• [Y] EP 2525147 A2 20121121 - PASECO CO LTD [KR]  
• [Y] US 4175436 A 19791127 - CRAWFORD WILLIAM B [US], et al  
• [Y] EP 0200549 A2 19861105 - TOYOTOMI KOGYO CO LTD [JP]  
• [A] US 2010259376 A1 20101014 - HONG SEONG-KOOK [KR]  
• [A] US 2012315589 A1 20121213 - LEE SEUNGSOO [US]

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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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3002516 A1 20160406**; **EP 3002516 B1 20200408**; CN 105465826 A 20160406; CN 105465826 B 20171201; ES 2794098 T3 20201117; KR 101615748 B1 20160427; KR 20160038975 A 20160408

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