

Title (en)  
CLOSURE FOR SPRINKLERS AND NOZZLES HAVING HEAT TRIPPING DEVICE

Title (de)  
VERSCHLUSS FÜR SPRINKLER UND DÜSEN MIT WÄRME AUSLÖSUNG

Title (fr)  
FERMETURE POUR GICLÉUR D'INCENDIE ET BUSES AVEC DÉCLENCHEMENT THERMIQUE

Publication  
**EP 2038018 A1 20090325 (DE)**

Application  
**EP 07766714 A 20070612**

Priority  
• IB 2007052208 W 20070612  
• CH 10642006 A 20060701

Abstract (en)  
[origin: WO2008004142A1] Disclosed is an intelligent, autonomously usable closure for misting nozzles, atomizing nozzles and sprinklers. A covering plate 20 is fixed on the closure having a heat tripping device, a nozzle body 2, outlet channel 11 and outlet opening 10 by means of a melt tripping device 5. The melt tripping device 5 is activated when necessary by a heat element 23 and the outlet opening 10 is released. A structural element 21, such as a disk spring, ensures at the melting moment of the melt tripping device 5 that a force F is applied and the covering plate 20 is separated with force from the outlet opening. In case of emergency, the release is triggered without energy. The proposed autonomous device can be used in a system network and can also be integrated into an existing system.

IPC 8 full level  
**A62C 37/12** (2006.01)

CPC (source: EP US)  
**A62C 37/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008004142A1

Cited by  
WO2012010987A1; EP3607999A1; WO2020030733A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008004142 A1 20080110**; AT E479475 T1 20100915; CN 101500661 A 20090805; CN 101500661 B 20120523; DE 502007004939 D1 20101014; DK 2038018 T3 20101220; EP 2038018 A1 20090325; EP 2038018 B1 20100901; ES 2348952 T3 20101217; JP 2009542281 A 20091203; JP 5128591 B2 20130123; PL 2038018 T3 20110331; RU 2009103139 A 20100810; RU 2425703 C2 20110810; US 2009301742 A1 20091210; US 8607887 B2 20131217

DOCDB simple family (application)  
**IB 2007052208 W 20070612**; AT 07766714 T 20070612; CN 200780029819 A 20070612; DE 502007004939 T 20070612; DK 07766714 T 20070612; EP 07766714 A 20070612; ES 07766714 T 20070612; JP 2009517495 A 20070612; PL 07766714 T 20070612; RU 2009103139 A 20070612; US 30615707 A 20070612