

Title (en)  
Thermal door lock pin

Title (de)  
Thermotürsicherungsstift

Title (fr)  
Goupille de verrouillage de porte thermique

Publication  
**EP 2612975 A3 20161102 (EN)**

Application  
**EP 12478001 A 20120817**

Priority  
LT 2012001 A 20120106

Abstract (en)  
[origin: EP2612975A2] The present invention relates to fireproof door devices and, in particular, a heat-activated thermal door lock pin that non-deformably blocks the door in the door opening. Each thermal pin of the door lock comprises of an oblong standard-pin-size-and-form sleeve blind in one end having a cylindrical locking piston inside. A thermo-reactive heat expandable material is put between the blind end of the sleeve and the piston. The open external end of the pin coincident to the edge of the door leaf is closed with a plastic cap. Door lock pins of such construction do not require additional constructional changes in a door leaf and casing. They are being activated in case of fire exclusively thus eliminating accidental blocking of the door.

IPC 8 full level  
**E05B 65/10** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP)  
**E05B 65/104** (2013.01); **E06B 5/16** (2013.01)

Citation (search report)

- [I] US 3325941 A 19670620 - PRUCHA CARL T
- [I] DE 3432238 A1 19860313 - METALLTUEREN WERKE SCHWARZE GM [DE]
- [A] DE 4305378 A1 19940825 - HUECK EDUARD GMBH CO KG [DE]
- [A] DE 102005009996 A1 20060914 - ASSA ABLOY SICHERHEITSTECHNIK [DE]
- [A] EP 0651126 A1 19950503 - POLYNORM NV [NL]
- [A] GB 2289497 A 19951122 - LORIENT POLYPROD LTD [GB]

Cited by  
EP3243997A1; CH712445A1; EP3032008A1

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 2612975 A2 20130710; EP 2612975 A3 20161102**; LT 2012001 A 20120725; LT 5871 B 20120925

DOCDB simple family (application)  
**EP 12478001 A 20120817**; LT 2012001 A 20120106