

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)

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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

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