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(54) **Thermal door lock pin**

(57) 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.

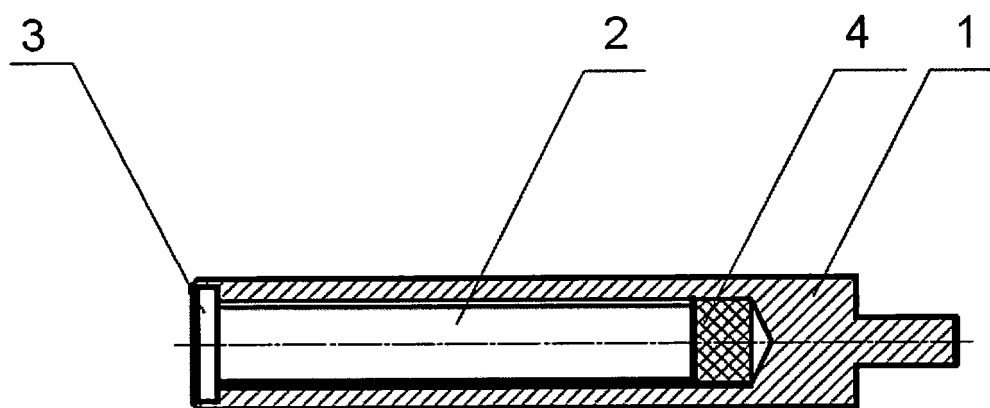


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 12 47 8001

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 September 2016	Examiner Koster, Michael
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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