

Title (en)
Safe re-locker

Title (de)
Notverriegelung für Wertbehälter

Title (fr)
Dispositif de condamnation pour coffre-fort

Publication
EP 0849429 A1 19980624 (EN)

Application
EP 97309114 A 19971113

Priority
GB 9626243 A 19961218

Abstract (en)
In a safe (102) having thermal re-lockers (108), each thermal re-locker (108) comprises two opposing springs which both act on a plunger (122) attached to a re-locking bolt (116) mounted within a tubular container (110). One spring is a memory metal spring (134) and the other is a non-memory metal spring (136). At room temperature the strength of the non-memory metal spring (136) is sufficient to hold the re-locking bolt (116) within the container (110). If a safe (102) comes under thermal attack, the temperature rises causing the re-locker (108) to be activated. The memory metal spring (134) becomes stiffer compressing the non-memory metal spring (136) and pushing out the re-locking bolt (116) so that it protrudes out of the container (110), and thereby prevents either a safe door (104) from being opened, or a safe boltwork mechanism (106) from being unlocked. Once the re-locker (108) has cooled down to room temperature, the memory metal spring (134) returns to its normal less stiff state thus bringing about retraction of the bolt (116). <IMAGE>

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CPC (source: EP)
E05B 65/0082 (2013.01); E05B 51/005 (2013.01)

Citation (search report)
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