

ABSTRACT

A FIRE RESISTANT SHUTTER ASSEMBLY

5 The present invention is a fire resistant shutter assembly for a door leaf including:

a shutter made up of at least one panel of suitably fire resistant material and a heat activated mechanism that includes a baseplate for attachment of the
10 mechanism to the door leaf, a housing fixed to the baseplate and extending from it with an opening at the end opposite to the base plate, a piston including a rod having a shoulder plate fixed at one end located within the housing and a portion of the rod that is fixed to the plate and extends from it that is capable of extending beyond the housing through the opening, the
15 end of the rod that extends beyond the housing is capable of engaging with the latching means on at least one shutter panel, a biasing means that biases the piston to retract at least a portion of the rod that extends beyond the housing, and a block of material that resists the biasing means under normal temperature conditions and holds the piston in position with a portion
20 of rod extended, but when the temperature rises to the melting point of the material, it melts and is thereby no longer capable of resisting the biasing action of the biasing means, therefore allowing the piston to move and at least partially retract the portion of the rod that extends beyond the housing and thereby disengage with at least one shutter panel.

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[Please insert Figure 2 as the most appropriate drawing to associate with the abstract]



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