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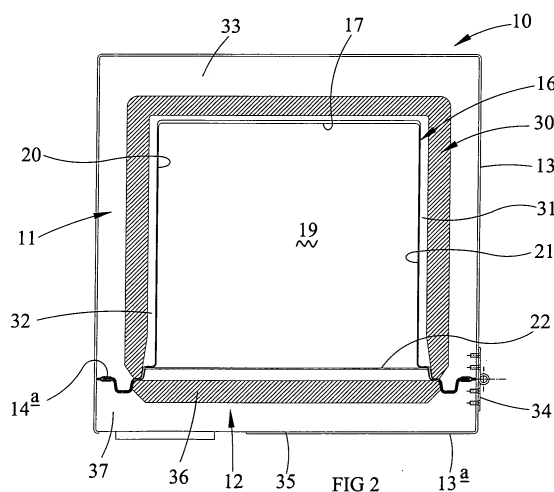
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(54) **Fire resisting enclosure and method of constructing same**

(57) A fire-resisting enclosure/cabinet comprising an open-box like structure forming a body (11) to which is hinged a door (12). Both the body and the door are made up of an outer sheet steel skin (13) which has its one 'open' face closed by a liner (16;22). For the body, the liner (16) defines the inside of the body of the cabinet, whilst for the door the liner (22) defines the rear surface of the door of the cabinet. For both the body and the door

thermally insulating material (30; 36; 42) is disposed in the space between the outer skin and the liner, with phase-change material (32) between the liner and the thermally insulating material and with fire-resistant concrete between the outer skin and the thermally insulating material. Engaging surfaces of the door and body respectively are formed by the material of the liner, i.e. polymeric material, thereby forming a near-hermetic seal therebetween in the event of fire.



**FIG 2**



European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 06 25 3663

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                |                                                  |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim                                | CLASSIFICATION OF THE APPLICATION (IPC) |
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| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | * column 5 - column 8 *                                                        | 5,7-13,<br>15,18,<br>23,24,<br>33,<br>38-40,49   |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | * figures 2,6,7 *                                                              |                                                  |                                         |
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| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                |                                                  |                                         |
| Place of search<br>The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                | Date of completion of the search<br>29 July 2008 | Examiner<br>Van Kessel, Jeroen          |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p> |                                                                                |                                                  |                                         |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 06 25 3663

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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