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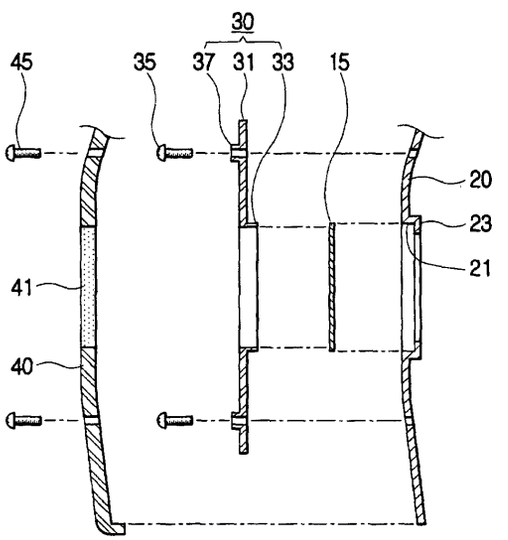
(54) Oven door with window

(57) The present invention relates to an oven provided with a main body (1) forming an oven compartment (3), and a door (10) in contact with the main body (1) to close and open the main body (1), the door (10) comprising:

- an inner cover (20) provided facing the oven compartment (3) and formed with a through opening to show the oven compartment (3) therethrough. The edges of the inner cover (20) in the periphery of the through opening are extended towards the inside of the oven compartment, thus forming a window accommodating part (23);
- a transparent window (15) provided in the through opening of the inner cover (20), bedded in said window accommodating part (23);
- and a supporting member (30) supporting the transparent window (15) against the inner cover (20).

Thus, a fixing means such as a jig and liquid sealant used for providing the transparent window to the door during assembly of the conventional oven are not necessary according to the present invention.

FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 7459

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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A	US 4 207 863 A (DROUIN CLAUDE) 17 June 1980 (1980-06-17) * figure 2 *	3	
Y	US 4 606 324 A (KATONA JOSEPH W) 19 August 1986 (1986-08-19) * figure 8 *	4	
Y	EP 1 106 932 A (AEG HAUSGERAETE GMBH) 13 June 2001 (2001-06-13) * columns 2-3, paragraph 12; figure 2 *	5	TECHNICAL FIELDS SEARCHED (Int.Cl.7) F24C
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~~The present search report has been drawn up for all claims~~

Place of search	Date of completion of the search	Examiner
Munich	20 August 2004	von Mittelstaedt, A

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

EPO FORM 1503 03.82 (P04C01)

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

see annex

European Patent Office

LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 03 25 7459

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-5, 11, 13

An oven with an oven cavity and a door having a window. The door comprises an inner cover with a accomodating part shaped in cross section like an "L", into which a window is inserted.
The resulting effect is, that the window, during assembly (the door is in horizontal position), can easily be inserted from the top into the inner cover and it is immediately fixed in 5 positions (bottom, left, right, front, back).

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2. claims: 6, 7, 12

An oven with an oven cavity and a door having a window, the door having an outer cover with a further window.
The resulting effect is, that the inner and the outer cover form a hollow door, that thermally insulates the oven cavity from the ambient, and which - due to the two windows - still allows insight into the cavity when the door is closed.

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3. claims: 8, 9

An oven with an oven cavity and a door having a transparent or semi-transparent window, or a window of rectangular shape.

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4. claim: 10

An oven with an oven cavity and a door having a window. The window is held by a supporting member from which bosses protrude through which screws pass toward the inner cover.
The resulting effect is the fastening of the supporting member to the inner cover plus - if suitable - the outer cover.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 03 25 7459

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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20-08-2004

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82