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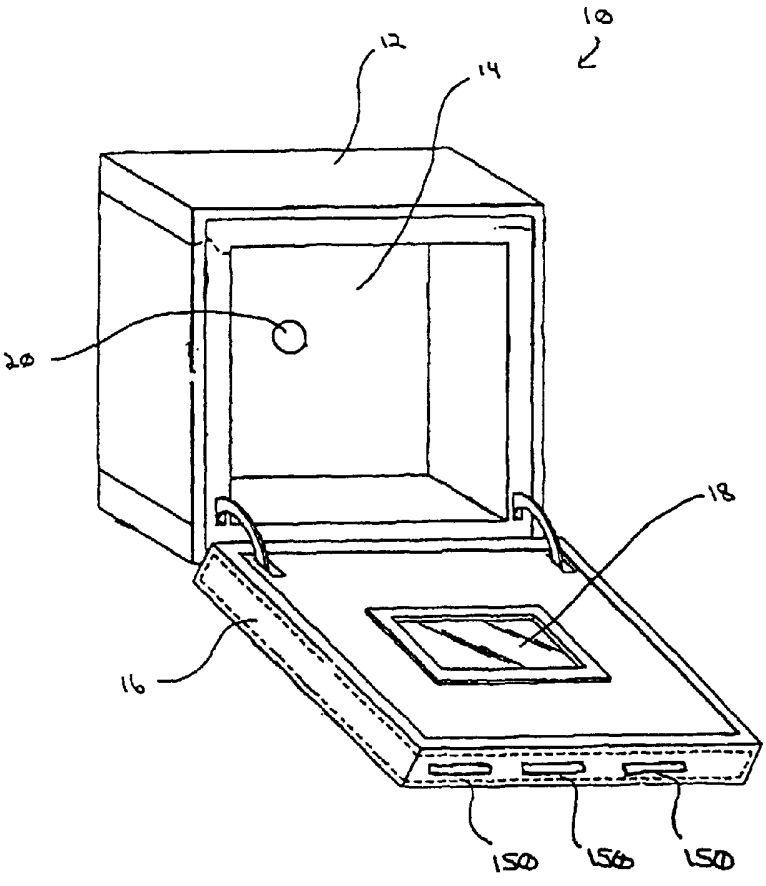
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[Continued on next page]

(54) Title: APPLIANCE WITH COATED TRANSPARENCY



(57) Abstract: An appliance transparency, such as an oven transparency, includes at least one substrate and a coating deposited over at least a portion of the substrate. The coating includes at least one metal layer, such as a metallic silver layer. The metal layer can have a thickness in the range of 80 Å to 100 Å and optionally or the coating can have a protective coating deposited thereon.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/016122

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C03C17/36 B32B17/10 F23M11/04 F24C15/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C03C B32B F23M F24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/48649 A (CARDINAL IG CO) 24 December 1997 (1997-12-24) claims	1-6, 29-31
X	US 5 595 825 A (GUISELIN OLIVIER) 21 January 1997 (1997-01-21) claims	1-5,7,8, 12,15, 19,20, 29-31
X	US 2002/045037 A1 (BOIRE PHILIPPE ET AL) 18 April 2002 (2002-04-18) paragraph [0031]; claims	1-5,7,8, 12,15, 19,20, 29-31
P,X	WO 03/093188 A (PPG IND OHIO INC) 13 November 2003 (2003-11-13) claims	1-31

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
2 December 2004	02. 05. 2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Van Bommel, L

INTERNATIONAL SEARCH REPORT

national application No.
PCT/US2004/016122

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-31 ----------

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-31

Appliance transparency, comprising at least one substrate, and at least two coatings each comprising at least a metallic layer and/or a protective layer

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2. claims: 32-35

Oven transparency, comprising three panels, having a coatings comprising at least a metallic layer on the second as well as the third panel

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3. claims: 36-39

Oven transparency comprising a composite panel with a first glass sheet contacting a second glass sheet

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4. claims: 40-44

Microwave over transparency comprising a panel, having a coating comprising at least a metallic layer, and a polymeric layer or sheet located adjacent thereto

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5. claims: 45-49

Oven door comprising a first pane spaced from a second pane, with on at least one pane a coating comprising a metallic layer with a certain emissivity

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6. claim: 50

Self-cleaning oven door comprising three panes spaced from each other, with at least one coatiing comprising at least a metallic layer on at least one of the panes, wherein the door is free of air vents

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/016122

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