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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: LAMINATED GLASS AND STRUCTURAL GLASS WITH INTEGRATED LIGHTING, SENSORS AND ELEC-
TRONICS

(57) Abstract: This invention relates to laminated glass, structural glass blocks and structural plyglass as carrying cases for solid
state lighting, sensors, energy generation and storage devices and other electronics that are contained within the transparent non-glass
interlayers or air cavities of the laminated glass, structural glass blocks and structural plyglass.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E06B9/24 E04F15/02 E04F11/16 B32B3/30 G08B5/36
G08B17/00

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 E06B E04F F21S H02J

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, PAJ

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E	WO 03/067014 A (EMDE THOMAS) 14 August 2003 (2003-08-14) page 5, line 18 - page 9, line 22	1,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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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

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G document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International Application No

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 03/24852

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 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.:

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: 1,2,5,6,7, 14, 15

A laminated glass comprising two layers of transparent glass with adjacent glass layers separated by a transparent solid non-glass layer (or an air cavity) which contains a solid state device which displays sequence of images.

2. claims: 3,4,8,9

A laminated glass comprising two layers of transparent glass with adjacent glass layers separated by a transparent solid non-glass interlayer which contains a solid state device, said device is a light sensor and a liquid crystal film or a suspended particle film and further comprises means to control the translucency of said liquid crystal or suspended particle film to provide variable shading.

3. claims: 10- 13, 16, 23-27

A luminous stair riser or stair guard rail comprised of the laminated glass of claim 1 or claim 6.

The luminous stair riser or floor tile or a hollow structural glass block within which there is an air cavity wherein said air cavity contains a pressure or a capacitance sensor to detect pressure of a foot or motion of an object.

A safety illumination system (smoke or gas or power outage) comprising a sensor and an illumination device.

4. claims: 17-22

A laminated glass of n layers of transparent glass and n-1 layers of transparent solid non-glass interlayer, and having particular dimensions.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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