

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 March 2006 (09.03.2006)

PCT

(10) International Publication Number
WO 2006/024632 A3

(51) International Patent Classification:
E06B 3/663 (2006.01)

(21) International Application Number:
PCT/EP2005/054224

(22) International Filing Date: 29 August 2005 (29.08.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04104142.7 30 August 2004 (30.08.2004) EP

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

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SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

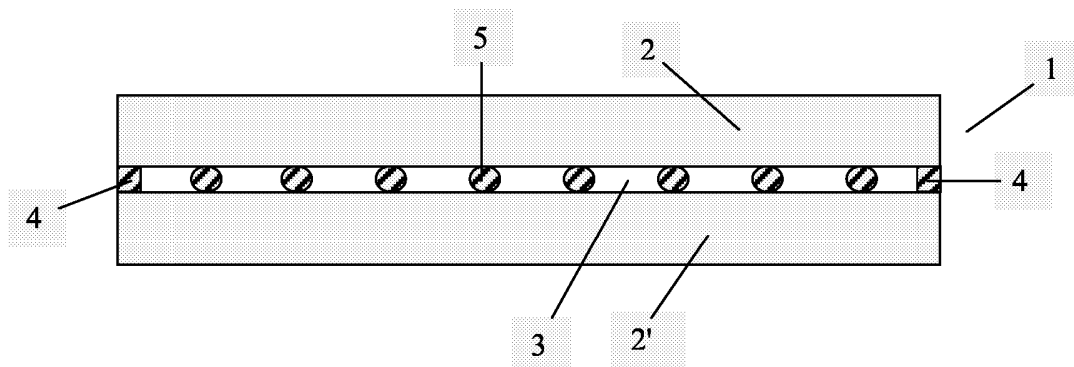
Published:

— with international search report

(88) Date of publication of the international search report:
7 December 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GLAZING PANEL



(57) Abstract: This invention relates to glazing panels, and in particular to vacuum insulating glazing panels and to a process for manufacturing such glazing panels. It is disclosed a glazing panel comprising two sheets of glass disposed in an opposing and spaced relationship with each other with a gap formed therebetween, the gap being a low pressure space having a pressure less than atmospheric pressure, a hermetic seal for sealing off said low pressure space, comprising an organic material, a plurality of spacers provided between said two sheets of glass for spacing the sheets of glass from one another, comprising an organic material, with a distance between the two sheets of glass in the range 0.1 to 0.6 mm.

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2005/054224

A. CLASSIFICATION OF SUBJECT MATTER
INV. E06B3/663

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)
E06B

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/90525 A (GUARDIAN INDUSTRIES CORPORATION) 29 November 2001 (2001-11-29) page 5, column 28 - page 6, column 15	1
Y	EP 0 999 330 A (NIPPON SHEET GLASS CO., LTD) 10 May 2000 (2000-05-10) figures 9,44,53	1
X	US 5 657 607 A (COLLINS ET AL) 19 August 1997 (1997-08-19) abstract; figure 4 column 5, line 32 - line 41	18

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

☒ See patent family 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
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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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.
- *G* document member of the same patent family

Date of the actual completion of the international search

4 September 2006

Date of mailing of the international search report

08/09/2006

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Authorized officer

Verdonck, B

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/054224

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.:

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: 1-17

Vacuum panel having a hermetic seal comprising an organic material, at least some of the spacers adhere to at least one of the glass sheets.

2. claims: 18-24

Process for manufacturing a vacuum insulating panel comprising the step of depositing a capillary tube in a groove in the glass sheets.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2005/054224

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0190525	A	29-11-2001	AU 6332201 A	03-12-2001
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			CN 1268990 A	04-10-2000
			CN 1590336 A	09-03-2005
			WO 9957406 A1	11-11-1999
			US 6479112 B1	12-11-2002
US 5657607	A	19-08-1997	NONE	