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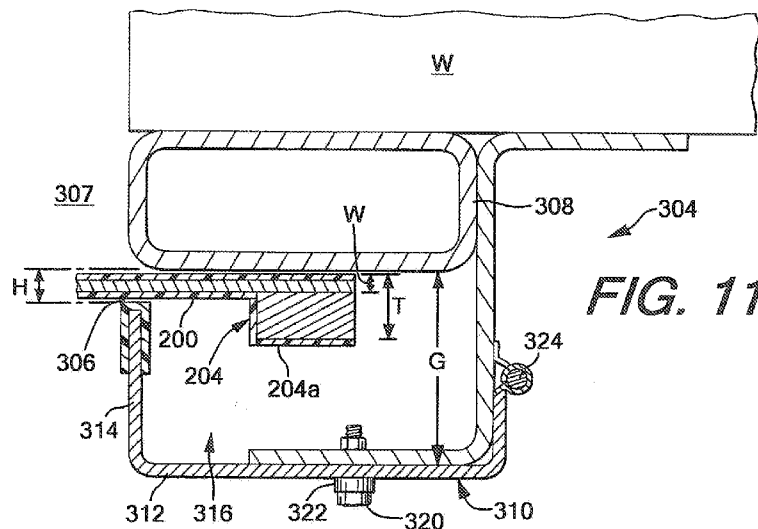
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(54) Title: NINETY DEGREE WIND LOCK WITH BREAK-AWAY CAPABILITY AND DOOR PANEL AND DOOR ASSEMBLY UTILIZING THE SAME



(57) Abstract: A wind lock for an overhead roll-up door, the wind lock having a first edge which is substantially straight and capable of extending substantially perpendicular vertically from a face of a door panel to which the wind lock attaches to, the wind lock including a second edge having an angled-beveled face, wherein the second edge extends at an angle from the first edge laterally across the face of an attached door panel is beveled with the face of the door panel so as to extend vertically from the face at an angle.

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INTERNATIONAL SEARCH REPORT

International application No. PCT/US2014/010686
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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - E06B 9/58 (2014.01) USPC - 160/273.1 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(8) - A47H 15/00, 15/02, 15/04; E06B 7/16, 9/08, 9/11, 9/17, 9/42, 9/56, 9/58 (2014.01) USPC - 16/90, 94R, 96R, DIG1; 49/197; 160/23.1, 238, 266, 267.1, 268.1, 270, 271, 272, 273.1, 290.1, 323.1 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC - A47H 15/00, 15/02, 15/04; E06B 7/16, 9/08, 9/11, 9/17, 9/42, 9/56, 9/58 (2014.02) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Orbit, Google, Google Scholar		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0211391 A1 (VARLEY et al) 29 September 2005 (29.09.2005) entire document	1-10, 18-24
A	US 2012/0241105 A1 (DRIFKA et al) 27 September 2012 (27.09.2012) entire document	1-10, 18-24
A	US 2005/0016695 A1 (THOMPSON) 27 January 2005 (27.01.2005) entire document	1-10, 18-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* 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 application or patent 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) "O" document referring to an oral disclosure, use, exhibition or other means "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 13 June 2014		Date of mailing of the international search report 09 JUL 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/010686

Box No. 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.: 11 ,12, 25-29
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. 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 extra 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 additional fees, this Authority did not invite payment of additional fees.
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.:
1-10, 18-24

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/010686

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-10, 18-24, are drawn to a wind lock.

Group II, claims 13-24, are drawn to a side column for an overhead roll-up door.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical features of Group I, a wind lock comprising a first edge, the first edge being substantially straight and extending substantially perpendicular vertically from a face of a door panel, and a second edge, the second edge including an angled face, are not present in Group II; the special technical features of Group II, a side column for an overhead roll-up door comprising a base portion, and an outer cover portion, the outer cover portion including a parallel portion and a perpendicular portion, are not present in Group I.

Unity exists between claims 1-10, 18-24 (Group I) or between claims 13-24 (Group II). However unity does not exist between claims 1-10 and 13-17 since there exists no common special technical feature between independent claims (1,5) and 13 (see PCT Examination Guidelines Chapter 10 at 10.22 Example 2).

Since none of the special technical features of the Group I and II inventions are found in more than one of the inventions, unity of invention is lacking.