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(72) **Inventor; and**

(71) **Applicant : CHUBAK, Albert** [US/US]; 2 Wanderwood Way, Sandy, Utah 84092 (US).

(74) **Agents: THORPE, Scott D.** et al.; 8 East Broadway, Suite 600, Salt Lake City, Utah 84111 (US).

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CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,  
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— *with international search report (Art. 21(3))*

*[Continued on next page]*

**(54) Title:** ASSEMBLY JOINER

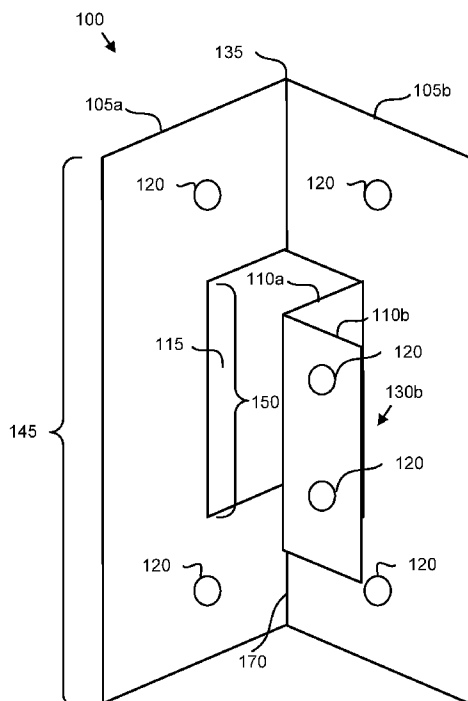


FIG. 1

**(57) Abstract:** For joining assemblies, a bracket 135 includes a first bracket plate 105a and a second bracket plate 105b. The first bracket plate 105a is in physical communication with the second bracket plate 105b and is disposed at a specified interior angle 125 to the second bracket plate 105b. A restraining hook 130 is in physical communication with the second bracket plate 105b. The restraining hook includes a first hook plate 110a disposed substantially perpendicular to the second bracket plate 105b and a second hook plate 110b in physical communication with the first hook plate 110a and disposed substantially parallel to the second bracket plate 105b.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2012/039584****A. CLASSIFICATION OF SUBJECT MATTER*****F16B 12/44(2006.01)i, F16B 12/10(2006.01)i***

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)

F16B 12/44; B65G 25/04; E04C 3/00; B23P 21/00; E04B 1/38; E04B 2/74

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: bracket, assembly, plate, hook and similar terms

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------|-----------------------|
| X         | US 2002-0116890 A1 (JAMES D. MOORE) 29 August 2002                                 | 1-4, 6-18             |
| Y         | See abstract, paragraphs [0038] - [0048] and figures 4 - 9.                        | 20                    |
| A         |                                                                                    | 5, 19                 |
| Y         | JP 05-294430 A (NISSAN MOTOR CO., LTD.) 09 November 1993                           | 20                    |
| A         | See figures 1 and 9.                                                               | 1-19                  |
| A         | US 05170977A A (MCMILLAN; CONNIE L.) 15 December 1992                              | 1-20                  |
|           | See abstract and figures 1 - 3.                                                    |                       |
| A         | KR 20-0266581 Y1 (DOY FURNITURE CO., LTD.) 02 March 2002                           | 1-20                  |
|           | See abstract and figure 4.                                                         |                       |

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

20 NOVEMBER 2012 (20.11.2012)

Date of mailing of the international search report

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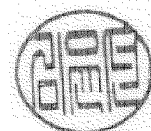
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Authorized officer

KIM Yoon Sun

Telephone No. 82-42-481-8420



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/039584**

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|---------------------|----------------------------|---------------------|
| US 2002-0116890 A1                        | 29.08.2002          | None                       |                     |
| JP 05-294430 A                            | 09.11.1993          | JP 2718320 B2              | 25.02.1998          |
| US 05170977A A                            | 15.12.1992          | None                       |                     |
| KR 20-0266581 Y1                          | 02.03.2002          | None                       |                     |