(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 September 2020 (17.09.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/185760 A9

(51) International Patent Classification:
A47K 3/32 (2006.01) *B60P 3/34* (2006.01)
B60R 15/02 (2006.01)

(21) International Application Number:
PCT/US2020/021863

(22) International Filing Date:
10 March 2020 (10.03.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/816,571 11 March 2019 (11.03.2019) US
16/814,270 10 March 2020 (10.03.2020) US

(71) Applicant: **STORYTELLER OVERLAND, LLC** [US/US]; 109 West Drive, Birmingham, AL 35211 (US).

(72) Inventors: **HUNTER, Jeffrey**; 561 Rosebury Road, Helena, AL 35080 (US). **FREYERMUTH, Dan**; 480 West Burgundy Street, Apt. 1223, Highlands Ranch, CO 80129 (US). **DONALDSON, Adam**; 7112 Rowan Road, Leeds, AL 35094 (US). **ISBELL, Mark**; 2 Isbell Road, Pell City, AL 35125 (US). **LANG, Brent**; 1649 Beckam Drive, Birmingham, AL 35209 (US). **SLATER, Dave**; 56922 Burbank Street, Elhart, IN 46516 (US).

(74) Agent: **KAMENETSKY, Jeffrey H.**; 350 East Las Olas Boulevard, Suite 1440, Fort Lauderdale, FL 33301 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

(54) Title: RV RETROFIT SYSTEM

(57) Abstract: A vehicle retrofit system comprising a storage receptacle, a collapsible privacy/shower curtain receptacle, a folding counter assembly, and a seat/bed conversion assembly each of which is configured to be contained and deployed within an interior of a vehicle.

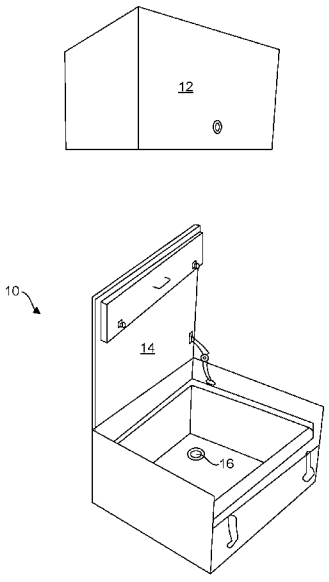


FIG. 1

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[Continued on next page]

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*
— *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))*

(88) Date of publication of the revised international search report:

26 November 2020 (26.11.2020)

(15) Information about Correction:

see Notice of 26 November 2020 (26.11.2020)

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2020/021863

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47K3/32 B60R15/02 B60P3/34
ADD.

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)
A47K B60R B60P A47B

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 practicable, 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	US 4 975 992 A (PATTERSON JAMES [US] ET AL) 11 December 1990 (1990-12-11) figures 1-5	1-4
X	US 3 646 590 A (BOLT HARRY COLLETT) 29 February 1972 (1972-02-29) claim 14; figures 6,12,13	1-4
X	US 5 315 721 A (OKUN MILTON R [US]) 31 May 1994 (1994-05-31) figures 7,8,9,10	1-4
X	US 2011/094027 A1 (BARNEY JAMES [US] ET AL) 28 April 2011 (2011-04-28) figures 1-5	1-4

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[X] Further documents are listed in the continuation of Box C.

[X] 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 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	Date of mailing of the international search report
5 October 2020	12/10/2020

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, Fax: (+31-70) 340-3016	Scheuer, Jürgen

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Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2020/021863

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.:
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 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 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.:

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.

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 491 407 A1 (CHAUSSON USINES SA [FR]) 9 April 1982 (1982-04-09) the whole document	5-8
A	DE 39 43 398 A1 (RIEDL ACHIM [DE]) 11 July 1991 (1991-07-11) figures 1-6	5-8
A	CN 108 725 302 A (RONGCHENG MINGJUN OUTDOOR LEISURE PRODUCTS CO LTD) 2 November 2018 (2018-11-02) figures 1,2	5-8
A	US 6 604 471 B1 (TARVER JR SAMUEL A [US]) 12 August 2003 (2003-08-12) figures 8-25	5-9
X	WO 2013/166390 A1 (BOMBARDIER INC [CA]; SAVARD DAVID [CA] ET AL.) 7 November 2013 (2013-11-07) paragraph [0087]; figures 1-12	9,10
X	WO 2015/155687 A1 (ZODIAC SEATS FRANCE [FR]) 15 October 2015 (2015-10-15) figures 5A-5C	9,10

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2020/021863

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4975992 A	11-12-1990	NONE	
US 3646590 A	29-02-1972	NONE	
US 5315721 A	31-05-1994	NONE	
US 2011094027 A1	28-04-2011	US 2011094027 A1	28-04-2011
		WO 2011053720 A1	05-05-2011
FR 2491407 A1	09-04-1982	NONE	
DE 3943398 A1	11-07-1991	NONE	
CN 108725302 A	02-11-2018	NONE	
US 6604471 B1	12-08-2003	NONE	
WO 2013166390 A1	07-11-2013	CA 2872473 A1	07-11-2013
		CN 104520187 A	15-04-2015
		EP 2844557 A1	11-03-2015
		US 2015136904 A1	21-05-2015
		WO 2013166390 A1	07-11-2013
WO 2015155687 A1	15-10-2015	EP 3129289 A1	15-02-2017
		JP 6567545 B2	28-08-2019
		JP 2017510499 A	13-04-2017
		JP 2019214371 A	19-12-2019
		US 2017029118 A1	02-02-2017
		WO 2015155687 A1	15-10-2015

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-4

   A deployable privacy curtain assembly for use within the interior of a recreational vehicle

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2. claims: 5-8

   A foldable counter assembly for use within the interior of a recreational vehicle

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3. claims: 9, 10

   A seat/bed conversion assembly for use within the interior of a recreational vehicle

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