



(43) International Publication Date
13 September 2012 (13.09.2012)

- (51) International Patent Classification:
B60P 9/00 (2006.01)
- (21) International Application Number:
PCT/US2012/027783
- (22) International Filing Date:
5 March 2012 (05.03.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/449,385 4 March 2011 (04.03.2011) US
- (71) Applicant (for all designated States except US): **ADRIAN STEEL COMPANY** [US/US]; 908 James Street, Adrian, MI 49221-3996 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SAUTTER, Robert, H.** [US/US]; 14612 Crestridge Drive, Cement City, MI 49233 (US). **RICHTER, Thomas** [US/US]; 2310 Fairfield Road, Sand Creek, MI 49279 (US).
- (74) Agent: **BUNTING, Beverly, M.**; Butzel Long IP Docketing Department, 350 South Main Street, Suite 300, Ann Arbor, MI 48104 (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, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

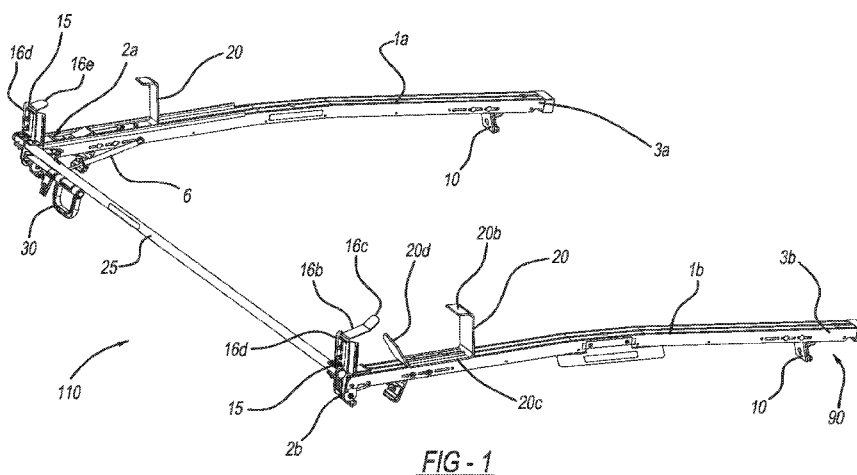
- (88) Date of publication of the international search report:
1 May 2014

(15) Information about Correction:

Previous Correction:

see Notice of 26 September 2013

(54) Title: LADDER RACK SYSTEM



INTERNATIONAL SEARCH REPORT

PCT/US 12/27783

International application No.

PCT/US 12/27783

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60P 9/00 (2012.01)

USPC - 414/462

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)

USPC: 414/462

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

USPC: 211/60.1; 248/309.1, 316.1; 414/816, 462, 465; 182/127 (keyword limited; terms below)

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

PubWEST (PGPB, USPT, EPAB, JPAB); Google

Search Terms Used: ladder, vehicle, automobile, car, van, truck, pivot\$4, roof, bias\$3, spring, stow\$3, stor\$3, position, lock\$3, handle, lever, clamp, bracket, c, cooter pin, pin, tether, rod, pipe, secur\$3, clip

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009/0140021 A1 (RICHTER et al) 04 June 2009 (04.06.2009) claim 7, fig 1, 2, 3, para [0027]-[0028], [0032]-[0034], [0038], [0040], [0042]	1-20
Y	US 2006/0245875 A1 (HENDLEY) 02 November 2006 (02.11.2006) fig 1, 3, 4, para [0025]	1-20
Y	US 2004/0131456 A1 (HENDERSON et al) 08 July 2004 (08.07.2004) fig 1, para [0039]	2
Y	US 2005/0139559 A1 (TRUSTY et al) 30 June 2005 (30.06.2005) fig 1, para [0018]	3, 5-7
Y	US 6,179,543 B1 (ADAME et al) 30 January 2001 (30.01.2001) fig 5, col 7, ln 5-14	8-12, 16-17, 19
Y	US 2005/0079036 A1 (RICHTER) 14 April 2005 (14.04.2005) fig 10	16-18
Y	US 2003/0020312 A1 (WANG) 30 January 2003 (30.01.2003) fig 3, para [0024]	10-12
Y	US 5,687,813 A (BENSCH) 18 November 1997 (18.11.1997) fig 3, 5, col 3, ln 45-54	11-12



Further documents are listed in the continuation of Box C.



* 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

28 May 2012 (28.05.2012)

Date of mailing of the international search report

19 JUN 2012

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:

Lee W. Young

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774