

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 December 2005 (08.12.2005)

PCT

(10) International Publication Number
WO 2005/115212 A3

(51) International Patent Classification⁷: **A47K 11/04**

(21) International Application Number:
PCT/US2005/017296

(22) International Filing Date: 17 May 2005 (17.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/571,838 17 May 2004 (17.05.2004) US

(71) Applicants and

(72) Inventors: **OBITTS, Shane** [US/US]; 120 Illinois Circle,
Elyria, OH 44035 (US). **REICHLIN, James** [US/US]; 199
Overbrook Road, Elyria, OH 44035 (US).

(74) Agent: **NAUMAN, Timothy, E.**; Fay, Sharpe, Fagan,
Minnich & McKee, LLP, 1100 Superior Avenue, 7th Floor,
Cleveland, OH 44114 (US).

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

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

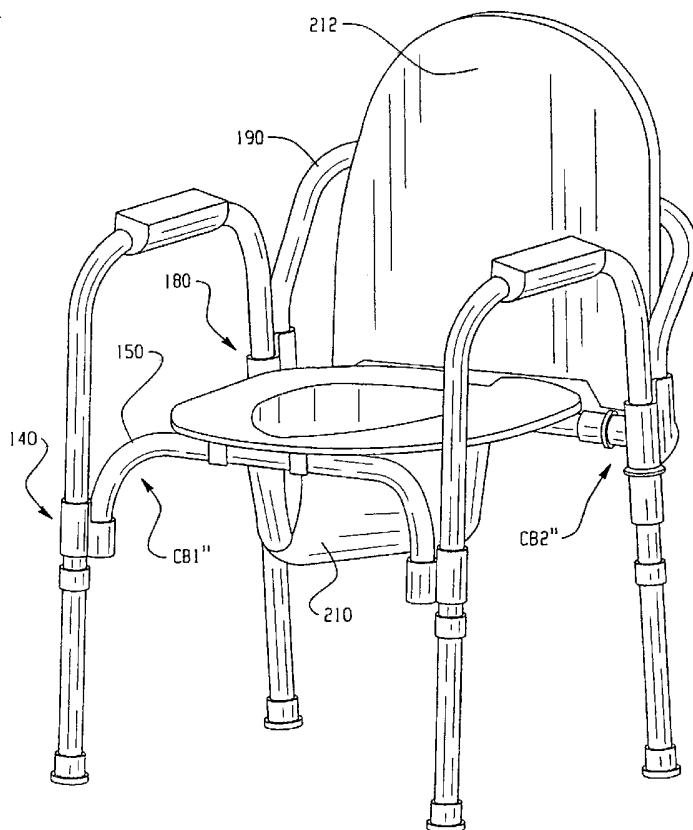
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, 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).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: FOLDABLE DURABLE PATIENT AID PRODUCT SUCH AS A COMMODE AND METHOD OF FORMING SAME



(57) Abstract: The present invention provides a commode comprising first and second side frames, each including front and rear legs interconnected at their respective first ends thereof by a handle. A rear cross brace interconnects the rear legs of the first and second side frames. A rear support tube assembly secures the rear cross brace to each rear leg. A portion of the rear support tube assembly encompasses an entire circumferential extent of both the rear cross brace and the rear leg without any seam. At least one of a commode seat and commode lid pivotally secured to the rear cross brace member.



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

16 February 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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/17296

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A47K 11/04

US CL : 4/478,480,483,557; 297/313,335; D23/229

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)

U.S. : 4/478,480,483,557; 297/313,335; D23/229

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 2005/0039250 A1 (KRAUSE) 24 February 2005 (24.02.2005), the entire document.	13, 14, 16-20
X	WO 99/15064 A1 (KLOIBER et al) 01 April 1999 (01.04.1999), the entire document.	13, 14
---		-----
Y		16, 17 and 20
X	US 6,338,592 B1 (CHANG) 15 January 2002 (15.01.2002), the entire document.	13-15
---		-----
Y		16-20
X	US 5,188,139 A (GARELICK) 23 February 1993 (23.02.1993), the entire document.	13
Y	US 4,532,948 A (BURROWS) 06 August 1985 (06.08.1985), the entire document.	13
Y	JP 9-173245 A (OZAKI et al) 08 July 1997 (08.07.1997), the entire document.	13, 14
Y	US 3,829,908 A (THOMAS) 20 August 1974 (20.08.1974), the entire document.	16-20

☐ 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	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"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	"&" document member of the same patent family

Date of the actual completion of the international search

06 October 2005 (06.10.2005)

Date of mailing of the international search report

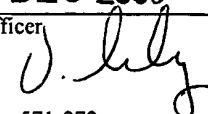
27 DEC 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

For Justine Yu 

Telephone No. 571-272-