(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 20 February 2003 (20.02.2003)

PCT

(10) International Publication Number WO 2003/013899 A3

(51) International Patent Classification⁷: A47C 7/00

(21) International Application Number:

PCT/US2002/019234

(22) International Filing Date: 18 June 2002 (18.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

09/905,850 13 July 2001 (13.07.2001) US

(71) Applicant: MILLIKEN & COMPANY [US/US]; 920 Milliken Road, Spartanburg, SC 29303 (US).

(72) Inventors: ZEILER, Bernhard; 127 Riveredge Drive, Moore, SC 29369 (US). GILLIG, Daniel P.; 5 Bushberry Way, Greer, SC 29650 (US).

(74) Agent: BACON, Jeffery E.; Legal Department (M-495), 920 Milliken Road, Spartanburg, SC 29303 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

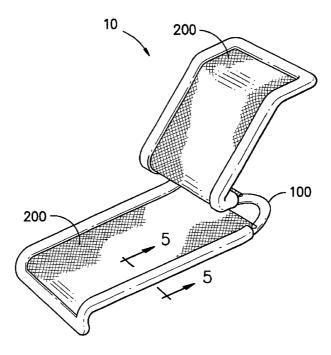
Published:

with international search report

(88) Date of publication of the international search report: 26 February 2004

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.

(54) Title: SLING SEATS UTILIZING ELASTOMERIC FABRICS



(57) Abstract: A sling seat (10) with a frame (100) and supports (200). The frame (100) is a tubular arcuate structure with a seat section (110) connected to a back section (120). The supports (200) include an open elastomeric face (210) that is disposed over the associated seat section (110) or back section (120).





INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/19234

IPC(7) : A47C 7/00	A. CLASSIFICATION OF SUBJECT MATTER	
US CL : 297/440.11		
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.: 297/440.11, 452.38, 452.64, 452.2, 452.56		
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		
	ant to claim No.	
1. 71' 50 60 1 71' 67 57 1 0 11	1 and 5	
	4, 6, 7, 8, and 11-17	
Y US 5, 118, 162 A (SAUL) 02 June 1992 (02.06.1992), column 2, lines 37-50.	4, 6, 7, 8, and	
X US 5,116, 100 A (IVERSEN) 26 May 1992 (26.05.1992), column 2, lines 41-54; column 1, 3, lines 7-11.	2, 5, and 6	
	10, 18, 19	
Y US 5, 560, 683 A (PENLEY et al) 01 October 1996 (01.10.1996), column 3, lines 50-67; 9, column 4, lines 18-26.	10, 18, 19	
A US 5,582,463 A (LINDER et al) 10 December 1996 (10.12.1996).	1-19	
A, E US 6,406,093 B1 (MIOTTO et al) 18 June 2002 (18.06.2002).	1-19	
Further documents are listed in the continuation of Box C. See patent family annex.		
* Special categories of cited documents: "T" later document published after the international fill date and not in conflict with the application but cit	ling date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance principle or theory underlying the invention	ieu to understatit tije	
"E" earlier application or patent published on or after the international filing date "X" document of particular relevance; the claimed invectors considered novel or cannot be considered to involve 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) document of particular relevance; the claimed inve	locument is	
"O" document referring to an oral disclosure, use, exhibition or other means combined with one or more other such documents, being obvious to a person skilled in the art	, such combination	
"P" document published prior to the international filing date but later than the priority date claimed document member of the same patent family	"&" document member of the same patent family	
Date of the actual completion of the international search Date of mailing of the international search repor	rt .	
17 September 2002 (17.09.2002) Name and mailing address of the ISA/US Authorized officer		
Commissioner of Patents and Trademarks		
Box PCT Washington, D.C. 20231 Anthony Barfield		
Facsimile No. (703)305-3230 Telephone No. 703-308-1113	Telephone No. 703-308-1113	

Form PCT/ISA/210 (second sheet) (July 1998)