



- (51) **International Patent Classification:**
E05B 75/00 (2006.01) A61F 5/37 (2006.01)
A41D 19/00 (2006.01)
- (21) **International Application Number:**
PCT/US2008/087171
- (22) **International Filing Date:**
17 December 2008 (17.12.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/014,397 17 December 2007 (17.12.2007) US
- (71) **Applicant and**
(72) **Inventor:** ISAACS, David [US/US]; 9808 NW 67th Ct., Fort Lauderdale, FL 33321 (US).
- (74) **Agents:** GIFFORD, Ernest, I. et al.; Gifford, Krass, Sprinkle, Anderson & Citkowski, P.C., 2701 Troy Center Drive, Suite 330, Post Office Box 7021, Troy, MI 48007-7021 (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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

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 international search report:

1 October 2009

(54) **Title:** HAND RESTRAINT DEVICE

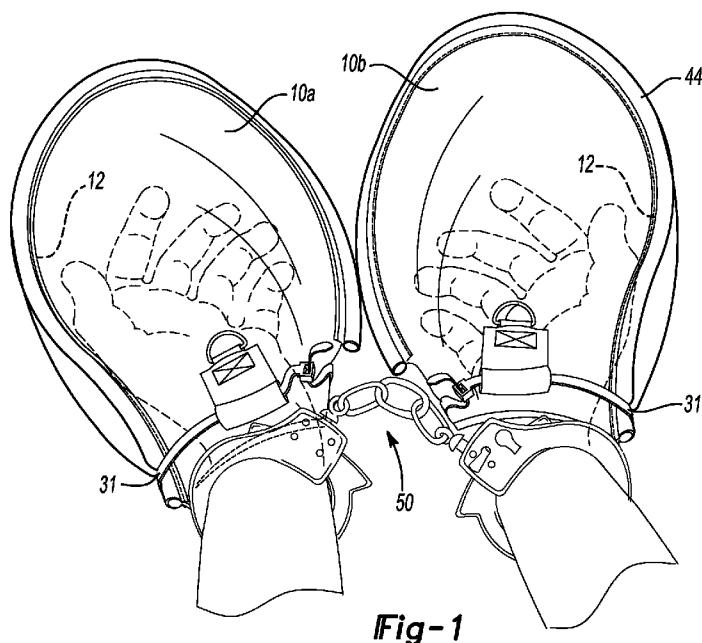


Fig-1

(57) **Abstract:** A hand restraint device consisting of a pair of hand restraint mitts which are used for restraining the hands of an individual to prevent them from using their hands in undesired ways. The mitts can be used in conjunction with handcuffs. The mitts can be placed on the individual either before or after the handcuffs are secured to the individual. The mitts are designed to open up on the bottom and one side of the mitt which allows quick and easy placement on the hand of the individual. A cable tie or strap which has been placed through two pockets, one on each side, close to the bottom of the mitt can be quickly and easily pulled to secure the hand within the mitt. Under tension from the tie or strap, the mitt completely encases the hand up to the wrist which prevents the use of the hand or fingers in undesired ways. When the cable tie or strap is pulled to secure the hand, the hand chamber, which the hand is in, bows out under the tension of the strap to create an open pocket for the hand to float inside. This provides a very comfortable open area for the hand and fingers to reside in which allows room for movement within the mitt while still effectively keeping the hand secured.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/087171**A. CLASSIFICATION OF SUBJECT MATTER****E05B 75/00(2006.01)i, A41D 19/00(2006.01)i, A61F 5/37(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)

IPC E05B 75/00, A61F 5/37

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 since 1975
Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal) & keywords: "handcuff", "mitt", "layer" and "strap"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5349966 A (GARCIA, J.L.) 27 September 1994	1-7, 9-10
Y	See abstract; figures 1-4; column 1 line 63-column 3 line 2; claims.	8
Y	US 5551086 A (ALBANESE, M.Q.) 03 September 1996	8
A	See abstract; figures 1-2; column 2 line 32-column 4 line 52; claims.	1-7, 9-10
A	DE 2903535 A1 (MISCHKE, J.) 14 August 1980	1-10
	See abstract; figures 1-3; pages 2-3; claims	
A	US 5230351 A (NYORKOR, S.A.A.) 27 July 1993	1-10
	See abstract; figures 1-4; column 1 line 47-column 2 line 15; claims.	
A	US 4741051 A (BIBLE, K.G.) 03 May 1988	1-10
	See abstract; figures 1-2; column 1 line 61-column 2 line 65; claims.	
A	DE 1532866 A1 (ROMMEL, W.) 24 July 1969	1-10
	See abstract; figure 1; pages 2-4; claims	

 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

"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 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

06 AUGUST 2009 (06.08.2009)

Date of mailing of the international search report

07 AUGUST 2009 (07.08.2009)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

OH, KUN KU

Telephone No. 82-42-481-5448



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/087171

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5349966 A	27.09.1994	None	
US 5551086 A	03.09.1996	None	
DE 2903535 A1	14.08.1980	None	
US 5230351 A	27.07.1993	None	
US 4741051 A	03.05.1988	None	
DE 1532866 A1	24.07.1969	None	