

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 May 2008 (02.05.2008)

PCT

(10) International Publication Number
WO 2008/051593 A3

(51) International Patent Classification:
F16L 37/113 (2006.01)

(21) International Application Number:
PCT/US2007/022618

(22) International Filing Date: 24 October 2007 (24.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/586,963 25 October 2006 (25.10.2006) US

(71) Applicant (for all designated States except US): **HU-MITEK, INC.** [US/US]; 1539 Monrovia Avenue, Suite 2, Newport Beach, CA 92663 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CLAWSON, Burrell, E.** [US/US]; 883 West 16th Street, Newport Beach, CA 92663 (US).

(74) Agent: **UXA, Frank, J.**; Stout, Uxa, Buyan & Mullins, 4 Venture, Suite 300, Irvine, CA 92618 (US).

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

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, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

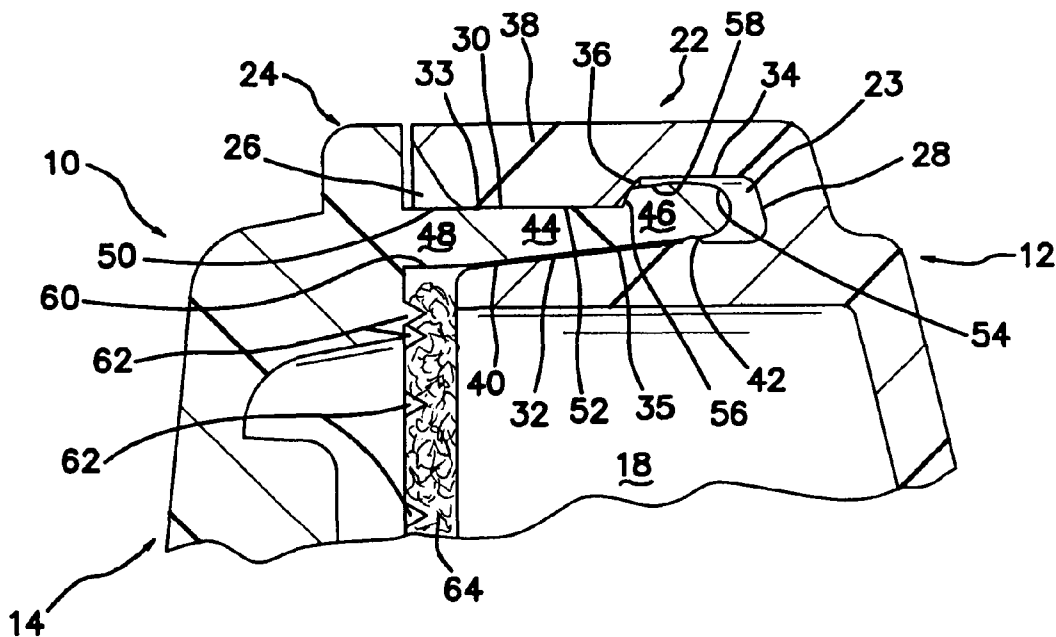
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT,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

(88) Date of publication of the international search report:
9 October 2008

(54) Title: ASSEMBLIES FOR COUPLING TWO ELEMENTS AND COUPLED ASSEMBLIES



(57) Abstract: Assemblies for coupling together two elements are provided and include a first coupling member and a second coupling member. The second coupling member has a body sized and adapted to be fitted into a hollow space defined by the first coupling member. The coupling members are structured to deflect the body of the second coupling member toward a first wall of the first coupling member as the body is passed into the hollow space.

WO 2008/051593 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/22618

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **F16L 37/113(2006.01)**

USPC: 403/267

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. : 403/288,291,339,364; 277/630,631,637,641; 220/615,617,621,783,790,795

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)

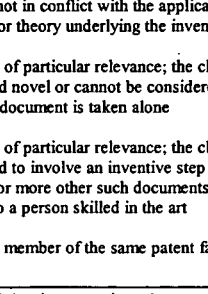
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,453,646 (Harrild) 12 June 1984	1-6, 8-10, 12-14, 17-20, 22, 24-30, 32, 40, 41,43, 44, 49, 52, 54 and 55

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 filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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 member of the same patent family
"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		

Date of the actual completion of the international search 14 May 2008 (14.05.2008)	Date of mailing of the international search report 05 AUG 2008
---	--

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 Joshua Kennedy  Telephone No. 571-272-8297
---	---