(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 18 March 2004 (18.03.2004)

PCT

(10) International Publication Number WO 2004/023224 A3

(51) International Patent Classification⁷: H05B 37/00

(21) International Application Number:

PCT/US2003/027211

(22) International Filing Date:

2 September 2003 (02.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/408,125

4 September 2002 (04.09.2002) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US PCT/US03/12210 (CIP) Filed on 18 April 2003 (18.04.2003)

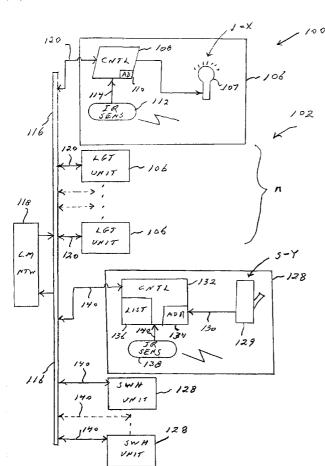
(71) Applicant (for all designated States except US): HER-MAN, MILLER, INC. [US/US]; MS 0442, 855 East Main Avenue, P.O. Box 302, Zeeland, MI 49464-0302 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): HILLIS, Daniel, W. [US/US]; 4750 Encino Avenue, Encino, CA 91316 (US). HOWE, Russel [US/US]; 4343 Ocean View Blvd., Apartment 179, Montrose, CA 91020 (US).
- (74) Agent: LOCKHART, Thomas, L.; Varnum, Riddering, Schmidt & Howlett LLP, P.O. Box 352, Grand Rapids, MI 49501-0352 (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, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, 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),

[Continued on next page]

(54) Title: GENERAL OPERATING SYSTEM



(57) Abstract: A correlation system is provided which is adapted for use with a lighting system (102) associated with one or more wands (104). The lighting system (102) includes lighting units (106) having lights (107). The lights (107) are controlled by a controller (108). Switch units (128) are provided. Through signals transmitted from the wands (104), control relationships can be established between the switch units (128) and the lighting units (106).

WO 2004/023224 A3



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (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: 15 July 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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/27211

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : H05B 37/00 US CL : 315/316, 292, 295, 297, 362; 235/462.45, 462.42; 340/815.45, 825.22			
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.: 315/316, 292, 295, 297, 362; 235/462.45, 462.42; 340/815.45, 825.22			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X	US 4,850,009 A (ZOOK et al) 18 July 1989 (18.07.1989), Figures 1, 4, 7.		1-3, 10-12, 14, 22, 25, 35
A	US 6,166,496 A (LYS et al) 26 December 2000 (26.12.2000), see entire document.		1-54
A,E	US 6,717,376 B2 (LYS et al) 06 April 2004 (06.04.2004), see entire document.		1-54
			<u> </u>
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 inte date and not in conflict with the applic	
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inve	
1	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside	
	which may throw doubts on priority claim(s) or which is cited to	when the document is taken alone	
establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th	
"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		Date of mailing of the international search report 2 7 MAY 2004	
10 May 2004 (10.05.2004)		<u> </u>	
Name and mailing address of the ISA/US		Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Haissa Philogene	
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (571) 272-1827	$C = O \wedge$
1	i. (703) 305-3230		Kenntala