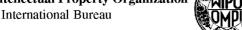
(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization







(43) International Publication Date 5 July 2007 (05.07.2007)

(51) International Patent Classification:

(21) International Application Number:

PCT/US2006/062048

(22) International Filing Date:

E04B 1/38 (2006.01)

13 December 2006 (13.12.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/305,534

16 December 2005 (16.12.2005) US

(71) Applicant (for all designated States except US):
ROUNDA ENTERPRISES, LLC [US/US]; 205 NE
Ford Street, McMinnville, OR 97128 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KARLEN, David, Paul [US/US]; 1014 Rummel Street, McMinnville, OR 97128 (US).

(10) International Publication Number WO 2007/076283 A3

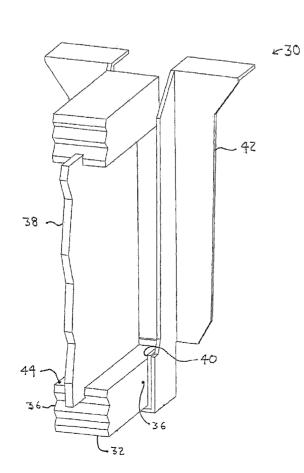
(74) Agents: SCHAFFER, Scott A. et al.; Marger Johnson & McCollom, P.C., 210 SW Morrison Street, Suite 400, Portland, OR 97204 (US).

(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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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, 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).

[Continued on next page]

(54) Title: JOIST NOISE REDUCTION SYSTEM AND METHOD OF INSTALLATION



(57) Abstract: A noise reducing joist system includes a joist hanger, a joist and a sheath surrounding a bottom portion, a lower end portion and lower end side portions of the joist, the sheath and joist inserted into the joist hanger. The joist and sheath are inserted into the joist hanger. The sheath interfaces with the joist hanger rather than the joist thereby reducing noise that may be created by a sliding that might occur between the joist end the joist hanger.

WO 2007/076283 A3



Published:

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

2 October 2008

- 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

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/62048

A. CLASSIFICATION OF SUBJECT MATTER			
IPC:	E04B 1/38(2006.01)		
			·
USPC: 52/702			
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. : 52/702			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
bocumentation searched other than minimum documentation to the extent that such documents are mended in the needs scarched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0009980 A1 (SHAHNAZARIAN) 16 Janua	ry 2003 (16.01.2003), entire document	1-16
•	OS 2005/0005500 III (GIRIII III III III III III III III III I	. , 2005 (10101.2005), uniii u uoumieni	1.0
·Y	US 3,892,902 (ILUKOWICZ) 01 July 1975 (01.07.19	975), col. 5, lines 57-61 and Fig. 7	1-16
Y	US 2002/0139621 A1 (WATABWE et al.) 03 October 2002 (03.10.2002), paragraph no. 4 and 12		
	[0012]		
Y	ADMITTED PRIOR ART as disclosed in Prior Art Fig. 1 and at page 1, lines 11-19 of the 5-9 and 13-16		
	description of this international application		
T	US 2007/0119108 A1 (DOWNARD) 31 May 2007 (31.05.2007), entire document 1-16		
	·		
	· · · · · · · · · · · · · · · · · · ·		
Further documents are listed in the continuation of Box C. See patent family annex.			
* S	pecial categories of cited documents:	"T" later document published after the inter date and not in conflict with the applica	
"A" document	t defining the general state of the art which is not considered to be of	principle or theory underlying the inven	
particular	relevance	"X" document of particular relevance; the c	laimed invention connet be
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be consider	
"L" document	suchish man throw doubts an arisaity alaim(s) or which is sited to	when the document is taken alone	
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be	
specified)		considered to involve an inventive step	when the document is
"O" document	t referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	
	•	• •	
	t published prior to the international filing date but later than the	"&" document member of the same patent i	family
Date of the actual completion of the international search Date of mailing of the international search, report			
Date of the actual completion of the international search		Date of mailing of the international search report	
			L 000
Traine and maning address of the 1072 00		Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Richard E. Chilcot	
P.O. Box 1450			
Alexandria, Virginia 22313-1450 Telephone No. (571)-272-5250			
Facsimile No. (571) 273-3201			

Form PCT/ISA/210 (second sheet) (April 2007)