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HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
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NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
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(54) Title: TRACK SAWS WITH SELF-ADJUSTING RIB-GUIDE ASSEMBLIES AND METHODS OF OPERATING SELF-ADJUSTING RIB-GUIDE ASSEMBLIES OF TRACK SAWS

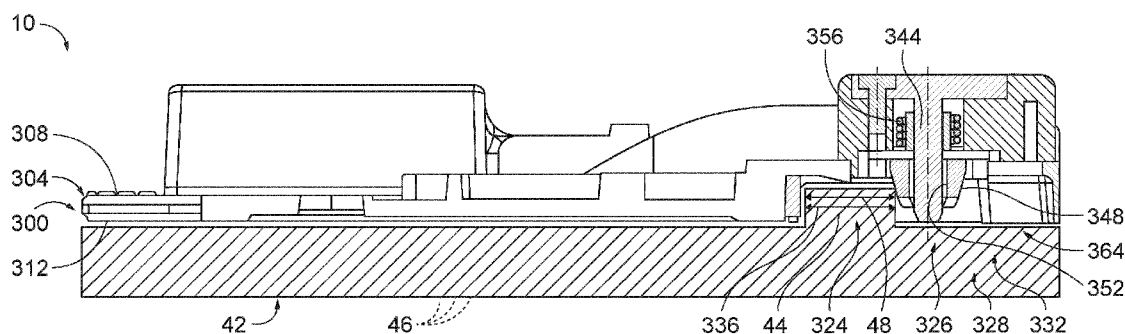


FIG. 15

(57) Abstract: Track saws (10) with self-adjusting rib-guide assemblies and methods of operating self-adjusting rib-guide assemblies of track saws (10) are disclosed herein. The track saws (10) include a motor (90), an arbor (100), and a base plate (304). The base plate (304) defines an arborfacing side and an arbor-opposed side. The base plate (304) includes a rib-receiving channel and a self-adjusting rib-guide assembly. The self-adjusting rib-guide assembly at least partially defines the rib-receiving channel and is configured to automatically accommodate a range of raised rib transverse widths (48). The methods include positioning a raised elongate rib (44) of the track (42) within a rib-receiving channel of a base plate (304) of the track saw (10). During the positioning, the methods also include establishing a contact force between the raised elongate rib (44) and the self-adjusting rib-guide assembly. Responsive to the contact force, the methods further include moving at least a portion of the self-adjusting rib-guide assembly relative to a remainder of the track saw (10).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
B27B

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)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	CN 1 872 469 B (BLACK & DECKER INC) 16 June 2010 (2010-06-16) figures 1-5,9,10	1-16, 18-25 17 26-30
Y A	----- DE 20 2020 101228 U1 (TECHTRONIC CORDLESS GP [US]) 15 June 2020 (2020-06-15) paragraphs [0002], [0023], [0024], [0026] - [0029] figures 2,3a,3b,4a,4b,5a,5b	17 1-16, 18-30
A	----- WO 2015/014038 A1 (SUMEC HARDWARE & TOOLS CO LTD [CN]) 5 February 2015 (2015-02-05) paragraphs [0040] - [0045] figures 1-6 ----- -/--	1-30

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See patent family annex.

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Date of the actual completion of the international search 1 September 2021	Date of mailing of the international search report 17/09/2021
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Chariot, David
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2012/079931 A1 (HANSEN JOEL [US]) 5 April 2012 (2012-04-05) paragraph [0014] figures 4,5,11 -----	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2021/067122

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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