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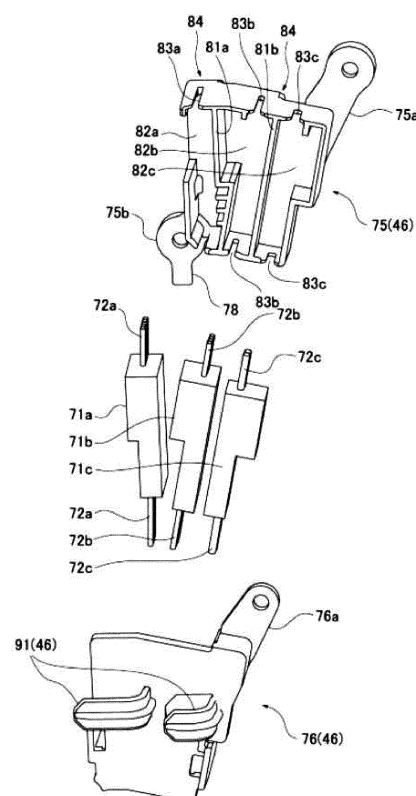
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(54) **ELECTRIC POWER TOOL**

(57) An electric power tool (1) includes a driving unit (27) generating a driving force by electricity and various components functioning by electricity, a circuit board (32) on which a control unit (40) configured to control the driving unit (27) and the various components is mounted, a plurality of connectors (71) connecting a plurality of wirings (72), which extend from the driving unit (27) and the various components, with a plurality of wirings (72), which extend from the circuit board (32), a body portion (7) installed therein with the driving unit (27), the various components, the circuit board (32) and the plurality of connectors (71), and a receiving portion (46) which receives the plurality of connectors (71) therein and which is fixed to the body portion (7).

FIG.2A





EUROPEAN SEARCH REPORT

Application Number
EP 19 15 7476

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 3 278 935 A2 (BOSCH GMBH ROBERT [DE]) 7 February 2018 (2018-02-07) * paragraphs [0002], [0003], [0021], [0024], [0027]; claim 1; figures 1-7 *	1-13	INV. B25F5/02
X	EP 3 162 513 A2 (BLACK & DECKER INC [US]) 3 May 2017 (2017-05-03) * paragraph [0068]; figure 8 *	1-13	
X	EP 2 929 986 A2 (BLACK & DECKER INC [US]) 14 October 2015 (2015-10-14) * paragraphs [0034] - [0036]; figures 2A-3B *	1-13	
A,D	JP 5 217621 B2 (MAX CO LTD) 19 June 2013 (2013-06-19) * the whole document *	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			B25F B25H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 August 2019	Examiner Popma, Ronald
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 19 15 7476

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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28-08-2019

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 3278935 A2	07-02-2018	DE 102016214106 A1	01-02-2018
		EP 3278935 A2	07-02-2018
		US 2018029179 A1	01-02-2018
EP 3162513 A2	03-05-2017	EP 3162513 A2	03-05-2017
		EP 3385035 A1	10-10-2018
		US 2017120435 A1	04-05-2017
EP 2929986 A2	14-10-2015	EP 2929986 A2	14-10-2015
		EP 2946886 A1	25-11-2015
		US 2015279592 A1	01-10-2015
		US 2015280515 A1	01-10-2015
		US 2015280516 A1	01-10-2015
		US 2015280517 A1	01-10-2015
		US 2015282337 A1	01-10-2015
JP 5217621 B2	19-06-2013	JP 5217621 B2	19-06-2013
		JP 2009274195 A	26-11-2009