



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
21.03.2018 Bulletin 2018/12

(51) Int Cl.:
B25F 5/00 (2006.01)

(43) Date of publication A2:
06.08.2014 Bulletin 2014/32

(21) Application number: **14153030.3**

(22) Date of filing: **29.01.2014**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

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(30) Priority: **31.01.2013 JP 2013017849**

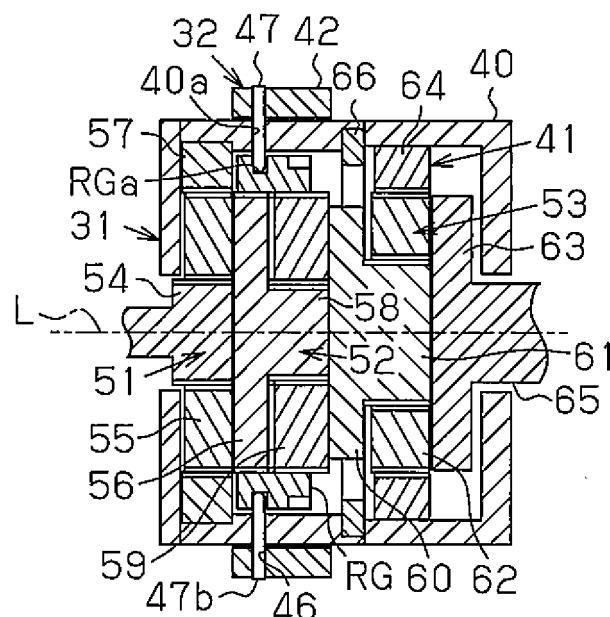
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(54) **Power tool**

(57) A power tool includes a reversing restriction portion (46b (46c)) arranged in a pivot member (42). When a drive unit (33) pivots the pivot member (42) to switch the gear ratio of a gear mechanism (41), the reversing restriction portion (46b (46c)) engages with a support (47)

to restrict pivoting of the pivot member (42) in a reverse direction that is caused by a reaction force which acts on the pivot member (42) at a limit position from where further pivoting of the pivot member (42) is prohibited.

Fig. 4A





EUROPEAN SEARCH REPORT

 Application Number
 EP 14 15 3030

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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	WO 2012/114860 A1 (PANASONIC ECO SOLUTIONS POWER TOOLS CO LTD [JP]; INAGAKI KENICHIRO; KA) 30 August 2012 (2012-08-30)	1	INV. B25F5/00
A	* the whole document *	2-6	
	& EP 2 679 346 A1 (PANASONIC CORP [JP]) 1 January 2014 (2014-01-01)		
	* paragraph [0001] * * paragraph [0025] - paragraph [0030] * * paragraph [0046] - paragraph [0049] * * figures *		
X	US 2004/198547 A1 (EISENHARDT ARMIN [DE]) 7 October 2004 (2004-10-07)	1	TECHNICAL FIELDS SEARCHED (IPC) B25F
A	* paragraph [0002] *	2-6	
	* paragraph [0039] *		
	* paragraph [0052] - paragraph [0053] * * figures *		
X	US 2011/232933 A1 (KONDO TOMOYUKI [JP] ET AL) 29 September 2011 (2011-09-29)	1	
A	* paragraph [0001] *	2-6	
	* paragraph [0040] - paragraph [0070] *		
	* figures *		
A	US 2008/190223 A1 (PUZIO DANIEL [US]) 14 August 2008 (2008-08-14)	1-6	
	* paragraph [0039] *		
	* figures *		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 February 2018	Examiner van Woerden, N
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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 EPO FORM 1503 03.82 (P04C01)

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

EP 14 15 3030

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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08-02-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2012114860 A1	30-08-2012	CN 103459098 A	18-12-2013
		EP 2679346 A1	01-01-2014
		JP 5514139 B2	04-06-2014
		JP 2012171045 A	10-09-2012
		WO 2012114860 A1	30-08-2012

US 2004198547 A1	07-10-2004	NONE	

US 2011232933 A1	29-09-2011	CN 102216034 A	12-10-2011
		JP 5275117 B2	28-08-2013
		JP 2010110887 A	20-05-2010
		US 2011232933 A1	29-09-2011
		WO 2010041600 A1	15-04-2010

US 2008190223 A1	14-08-2008	CN 101203701 A	18-06-2008
		EP 1872030 A2	02-01-2008
		US 2008190223 A1	14-08-2008
		WO 2006113330 A2	26-10-2006
