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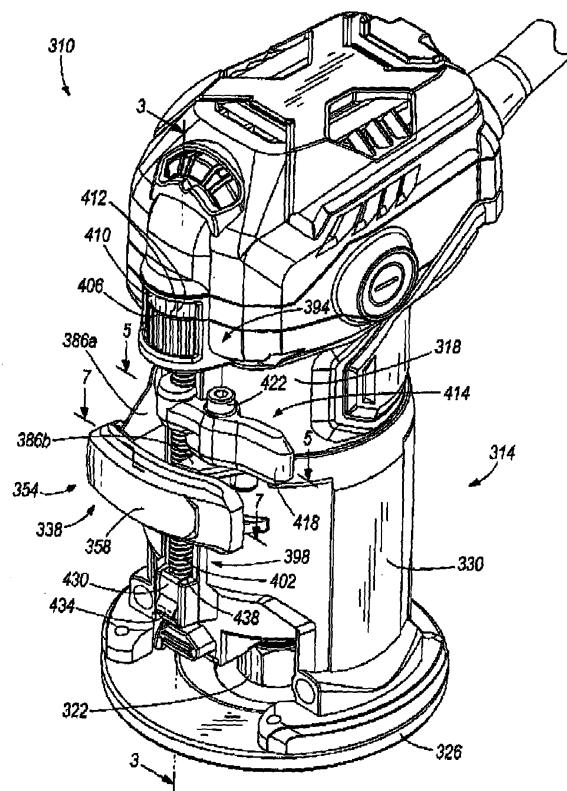
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(54) **Router**

(57) A router (310) includes a base (314), a motor housing (318) supported by the base for movement along a first axis, and an adjustment mechanism (394) having a shaft (398), with a thread portion (402), connected to the motor housing for rotation about a second axis. The adjustment mechanism (394) also includes a lever (418) pivotably coupled to the base about a pivot axis oriented substantially parallel with the first and second axes. The lever includes a thread-engaging member that, when engaged with the thread portions (402), causes small changes to the position of the housing relative to the base in response to rotation of the shaft. The lever (418) is pivotable between an engaged position, in which the thread-engaging member engages the thread portion, and a disengaged position, in which the thread-engaging member disengages the thread portion and the housing is freely movable relative to the base to provide course adjustment of the housing relative to the base.



**FIG. 1**



## EUROPEAN SEARCH REPORT

Application Number  
EP 09 25 2167

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	US 2002/043294 A1 (MCDONALD RANDY [US] ET AL) 18 April 2002 (2002-04-18) * paragraph [0036] - paragraph [0039] * * paragraph [0049] - paragraph [0057]; figures 7-11 *	1-13	INV. B27C5/10 B23Q16/02
Y	US 5 853 274 A (COFFEY JOHN R [US] ET AL) 29 December 1998 (1998-12-29) * figure 2 *	1-13	
Y	US 2006/008334 A1 (KAGELER SVEN [DE] ET AL) 12 January 2006 (2006-01-12) * paragraph [0066]; figure 9 *	10-13	
E	US 2010/126627 A1 (GODDARD JAY A [US] ET AL) 27 May 2010 (2010-05-27) * figures 13-22 *	1-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			B27C B23Q
Place of search		Date of completion of the search	Examiner
The Hague		23 August 2011	Huggins, Jonathan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.02 (P04C01)



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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-13

Router height adjustment mechanism and clamping mechanism

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2. claims: 14, 15

A catch configured to prevent unintentional removal of the motor housing from the base during adjustment of the position of the motor housing relative to the base

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

EP 09 25 2167

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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23-08-2011

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