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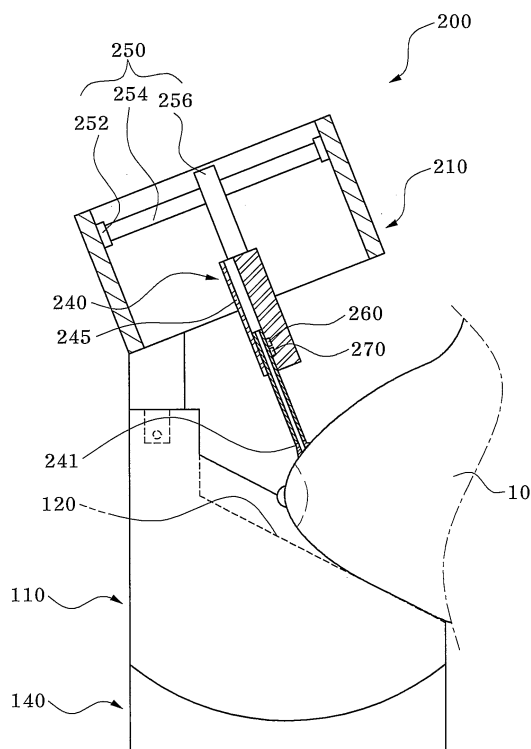
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(54) **Biopsy device and ultrasonic diagnostic apparatus including the same**

(57) A biopsy device (200) and a biopsy device integrated-type ultrasonic diagnostic apparatus (300) are disclosed. The biopsy device (200) includes a needle (230) collecting a sample tissue from a diagnosis target (10), a needle guide (245) guiding a movement path of the needle (230), and a biopsy kit (240) with the needle guide (245) movably disposed therein in a direction in which the needle (230) is inserted into the diagnosis target (10). The biopsy device (200) compressively supports a local point of the diagnosis target (10) into which the needle (230) will be inserted for biopsy, so that the shape of the diagnosis target (10) is prevented from being changed upon insertion of the needle (230), thereby enhancing precision of biopsy diagnosis results while reducing examinee discomfort and inconvenience.

Fig. 17





EUROPEAN SEARCH REPORT

Application Number
EP 10 15 7878

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 2 016 907 A2 (INRAD INC [US]) 21 January 2009 (2009-01-21)	1-4	INV. A61B8/08 A61B10/00 A61B10/02
Y	* figures 1,6-8 * * paragraphs [0003], [0014], [0015], [0018] - [0021], [0026] - [0029] *	6-12	
X,P	EP 2 113 204 A2 (ETHICON ENDO SURGERY INC [US]) 4 November 2009 (2009-11-04) * figures 1,1A,2B * * paragraphs [0029], [0035], [0045] *	1-4	
X	WO 98/02095 A1 (NEOVISION CORP [US]) 22 January 1998 (1998-01-22)	1-9,12	
Y	* figures 1,5B,6-8 * * page 19, line 20 - page 22, line 34 *	6-12	TECHNICAL FIELDS SEARCHED (IPC) A61B
X	US 2008/004526 A1 (GROSS JACOB [IL]) 3 January 2008 (2008-01-03) * figures 1,5,7,8 * * paragraphs [0125] - [0128], [0168] *	1-12	
Y	WO 83/02053 A1 (COMMW OF AUSTRALIA [AU]) 23 June 1983 (1983-06-23) * page 4, lines 4-10 * * page 6, lines 30-35 * * page 7, lines 4-7 * * page 7, lines 15-36 * * figures 1-3 *	6-12	
X	WO 2007/130526 A2 (SYSTEMS INC U [US]; WANG SHIH-PING [US]; SUMMERS DOUGLAS G [US]; ANDER) 15 November 2007 (2007-11-15)	1-3	
Y	* figures 11,15 * * paragraph [0067] *	9	
Y	US 4 943 986 A (BARBARISI LEONARD [US]) 24 July 1990 (1990-07-24) * the whole document *	7,8,11	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 19 May 2011	Examiner Olapinski, Michael
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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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: 1-5

directed to a biopsy device with a local compression part

2. claims: 6-12

directed to a biopsy device integrated with an ultrasonic
diagnostic apparatus

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

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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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19-05-2011

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