

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 87 0163

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	US 2012/046547 A1 (BARTHE PETER G [US] ET AL) 23 February 2012 (2012-02-23) * paragraph [0102] - paragraph [0113]; figures 1-6 * * paragraphs [0020], [0072], [0166] * * paragraph [0133] - paragraph [0137] * * paragraph [0199] - paragraph [0203] *	1,7	INV. A61N7/02 A61N7/00 A61B18/04 A61B8/00
A	WO 2011/034986 A2 (VIVEVE INC [US]; PARMER JONATHAN B [US]; SMITH IAN F [US]; CHENG CHUN-) 24 March 2011 (2011-03-24) * paragraph [0129] * * paragraph [0145] - paragraph [0158] *	2-5	ADD. A61B8/12 A61B90/00
			TECHNICAL FIELDS SEARCHED (IPC)
			A61N A61B
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 1 December 2017	Examiner Petter, Erwin
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			

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 (supplementary) 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 (supplementary) 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 (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

2-5(completely); 1, 7(partially)

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: 2-5(completely); 1, 7(partially)

Vaginal ultrasound treatment apparatus having first and second or third sensors to detect contact with the target tissue.

2. claims: 14, 15(completely); 1, 6(partially)

Vaginal ultrasound treatment apparatus having a treatment window with a flat shape

3. claims: 13(completely); 6(partially)

Vaginal ultrasound treatment apparatus having a buffering part of flexible material.

4. claims: 8, 9, 11, 12(completely); 6, 7(partially)

Vaginal ultrasound treatment apparatus determining the thickness of the vaginal muscle by imaging.

5. claims: 10(completely); 7(partially)

Vaginal ultrasound treatment apparatus having a treatment cartridge rotatable with respect to a hand piece.

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

EP 15 87 0163

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-12-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2012046547	A1	23-02-2012	US 2012016239 A1	19-01-2012
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专利名称(译)	聚焦超声操作装置		
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申请号	EP2015870163	申请日	2015-09-02
申请(专利权)人(译)	HIRONIC CO. , LTD.		
当前申请(专利权)人(译)	HIRONIC CO. , LTD.		
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发明人	CHOI, MOON SEOK KIM, SEON TAI LEE, SUNG WON LEE, JIN WOO LEE, JUN HYUNG HWANG, SANG HYEON KWON, TAE YUN		
IPC分类号	A61N7/02 A61N7/00 A61B18/04 A61B8/00		
CPC分类号	A61B8/12 A61B2090/062 A61B2090/065 A61N7/022 A61N2007/0034 A61N2007/0043 A61N2007/0052 A61N2007/0082 A61N2007/0091 A61B8/0858 A61B8/46 A61B18/04 A61B2018/00559 A61B2018/00636 A61N7/02		
代理机构(译)	AWAPATENT AB		
审查员(译)	PETTER , ERWIN		
优先权	1020140184725 2014-12-19 KR 1020140192640 2014-12-29 KR 1020150077629 2015-06-01 KR		
其他公开文献	EP3235543A2		
外部链接	Espacenet		

摘要(译)

公开了一种聚焦超声波手术装置，其包括：操作手柄，其包括用作用户手柄的手柄单元;包括产生聚焦超声波的超声波处理单元，并且具有圆柱或棒的形状，所述盒附连到所述操作手柄并与所述手术手柄分离;提供在所述盒上的窗口，以通过由所述超声治疗单元产生的所述聚焦超声;以及驱动器，所述驱动器驱动所述超声波治疗单元向前和向后移动所述超声波治疗单元，其中，所述聚焦超声波操作设备还包括检测器，所述检测器检测所述盒是否正确地放置在所述阴道内;图像探测器，在距离阴道皮肤表面预定深度的皮肤组织成像，以及由柔性材料形成的缓冲部分。



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A	NO 2011/034986 A2 (VIVEVE INC [US]; PARKER JONATHAN B [US]; SMITH IAN F [US]; CHENG CHUN-) 24 March 2011 (2011-03-24) * paragraph [0129] * * paragraph [0145] - paragraph [0158] *	2-5	TECHNICAL PHASES SEARCHED (IPC) A61N A61B
The supplementary search report has been based on the first set of claims valid and available at the start of the search.			
The Hague		1 December 2017	Peter, Erwin
CATEGORY OF CITED DOCUMENTS		1. Priority or foreign underlying the search: 2. Patent or patent document, if published on, or after the filing date: 3. Document cited for the prior art: 4. Document cited for other reasons: 5. Document cited for other reasons: 6. Document cited for other reasons: 7. Document cited for other reasons: 8. Document cited for other reasons:	