

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	<p>YUKIO KOSUGI ET AL: "Detection and Analysis of Cranial Bruit", IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, IEEE SERVICE CENTER, PISCATAWAY, NJ, USA, vol. BME-19, no. 3, 1 March 1987 (1987-03-01), pages 185-191, XP011174074, ISSN: 0018-9294</p> <p>* Title *</p> <p>* abstract *</p> <p>* figures 1, 8 *</p> <p>* page 188, paragraph V. Data analysis *</p> <p>* page 189, column 1 *</p> <p>* page 190, paragraph Case Report *</p> <p>-----</p>	1-14	<p>INV. A61B5/00 A61B5/02 A61B7/04 A61B7/00 A61B5/026 A61B5/03</p>
X	<p>US 2009/012430 A1 (LOVOI PAUL A [US] ET AL) 8 January 2009 (2009-01-08)</p> <p>* figure 35 *</p> <p>* paragraphs [0002] - [0005], [0056], [0063], [0067] *</p> <p>-----</p>	1-14	<p>TECHNICAL FIELDS SEARCHED (IPC)</p>
X	<p>WO 98/49934 A1 (ACTIVE SIGNAL TECHNOLOGIES INC [US]) 12 November 1998 (1998-11-12)</p> <p>* figure 1 *</p> <p>* page 7, lines 20-31 *</p> <p>* page 16 *</p> <p>-----</p>	1-14	A61B
<p>The supplementary search report has been based on the last set of claims valid and available at the start of the search.</p>			
Place of search		Date of completion of the search	Examiner
The Hague		3 May 2018	Almeida, Mariana
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>.....</p> <p>& : member of the same patent family, corresponding document</p>			

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

EP 15 86 7914

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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03-05-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009012430 A1	08-01-2009	EP 2182840 A1	12-05-2010
		US 2009012430 A1	08-01-2009
		WO 2009025769 A1	26-02-2009

WO 9849934 A1	12-11-1998	AU 7272898 A	27-11-1998
		US 5919144 A	06-07-1999
		WO 9849934 A1	12-11-1998

专利名称(译)	无创检测人类大脑状况和异常		
公开(公告)号	EP3229669A4	公开(公告)日	2018-06-13
申请号	EP2015867914	申请日	2015-12-09
[标]申请(专利权)人(译)	JAN医疗		
申请(专利权)人(译)	JAN MEDICAL , INC.		
当前申请(专利权)人(译)	JAN MEDICAL , INC.		
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优先权	14/565337 2014-12-09 US		
其他公开文献	EP3229669A1		
外部链接	Espacenet		

摘要(译)

使用来自脉管系统的小局部区域的信息集合，或来自可以从患者的心跳诱导的颅骨运动得到的特定标记或“BrainPulse”，在人体中非侵入性地检测血管状况。一系列加速度计或其他传感器与患者的头部接合，并且记录颅骨运动，优选地在100Hz以下。使用随机，周期性，带限或瞬态分析的血管结构（例如分支，动脉瘤，狭窄等）的振动特征提供了用于进一步处理的库。签名库用于定位识别的血管特征的起源，并且以临床相关的方式向医生呈现局部特征。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to:	CLASSIFICATION OF THE APPLICATION (IPC)
X	YUKIO KUSUGI ET AL: "Detection and Analysis of Cranial Bruitical" IEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, IEEE SERVICE CENTER, PISCATAWAY, NJ, USA, vol. BME-19, no. 1, March 1987 (1987-03-01), pages 185-191, XP01174074, ISSN: 0018-9294 Title = abstract * = figures 1, 8 * = page 186, paragraph V. Data analysis * = page 189, column 1 * = page 190, paragraph Case Report *	1-14	B6W A61B5/00 A61B5/02 A61B7/04 A61B5/026 A61B5/031
X	US 2009/012430 A1 (LOVOI PAUL A [US] ET AL) 8 January 2009 (2009-01-08) = paragraphs [0002] - [0005], [0056], [0062], [0067] *	1-14	TECHNICAL FIELD SEARCHFIELD
X	WO 98/49934 A1 (ACTIVE SIGNAL TECHNOLOGIES INC [US]) 12 November 1998 (1998-11-12) = figure 1 = page 7, lines 20-31 * = page 16 * -----	1-14	A61B
The applicant's search report has been drawn on the text of the documents which are considered to be relevant.			
Place of search: The Hague		Date of completion of the search: 3 May 2018	Searcher: Almeida, Mariana
CATEGORY OF CITED DOCUMENTS X: prior art document (including documents cited in the application) Y: document cited in the application but not searched Z: document cited for other reasons W: document cited in the application but not searched and not cited for other reasons A: member of the same patent family, corresponding document			