



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**  
under Rule 46, paragraph 1 of the European Patent  
Convention

Application Number

EP 01 99 5011

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 4 439 679 A (MCILROY ET AL) 27 March 1984 (1984-03-27) * column 3 - column 5; claim 1; figures 1-3 *	1	G01N1/22 A61B5/00 A61B10/00 A61B5/103
A	US 4 220 158 A (DELPY, DAVID T ET AL) 2 September 1980 (1980-09-02) * column 2, line 42 - column 3, line 41; figure 1 *	1	
A	US 5 782 871 A (FUJIWARA ET AL) 21 July 1998 (1998-07-21) * the whole document *	1	
			<b>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</b>
			A61B
LACK OF UNITY OF INVENTION			
<p>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:</p> <p>see sheet B</p>			
<p>The present partial 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.</p>			
Place of search		Date of completion of the search	Examiner
Munich		15 July 2005	Chopinaud, M
<p><b>CATEGORY OF CITED DOCUMENTS</b></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</p> <p>.....            &amp; : member of the same patent family, corresponding document</p>			

1  
EPO FORM 1503 03.02 (P04C23)



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. claim: 1

A device for collecting skin permeable gas comprising a container with a lower and a upper portions, a valve operating member between the two chambers to transfert the skin permeable gas from the lower to the upper portion.

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2. claim: 2

A device for collecting skin permeable gas comprising a finger-stall with a coupler and one or more connections coupled to the coupler.

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3. claim: 3

A device for collecting skin permeable gas comprising a cylindrical member with a spiral groove, a cover, a gas-introducing and gas delivery section and a sealing member.

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4. claim: 4

An apparatus for measuring skin permeable gas comprising a container having an opening for storing skin permeable gas, a blower fan for circulating the stored skin permeable gas and a measuring unit including a coloring agent placed in a path through which the gas is circulated with the blower fan.

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

EP 01 99 5011

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.

15-07-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4439679	A	27-03-1984	NONE	
US 4220158	A	02-09-1980	AU 526926 B2	10-02-1983
			AU 4162078 A	21-06-1979
			DE 2849358 A1	17-05-1979
			DK 506378 A	16-05-1979
			FR 2408353 A1	08-06-1979
			JP 54105598 A	18-08-1979
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US 5782871	A	21-07-1998	JP 2964942 B2	18-10-1999
			JP 9224914 A	02-09-1997
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专利名称(译)	皮肤渗透性气体收集器和皮肤渗透性气体测量装置		
公开(公告)号	<a href="#">EP1357376A4</a>	公开(公告)日	2005-11-30
申请号	EP2001995011	申请日	2001-12-26
[标]申请(专利权)人(译)	独立行政法人科学技术振兴机构		
申请(专利权)人(译)	日本科学技术振兴事业团		
当前申请(专利权)人(译)	日本科学技术振兴事业团		
[标]发明人	TSUDA TAKAO NAITO KEN NOSE KAZUTOSHI		
发明人	TSUDA, TAKAO NAITO, KEN NOSE, KAZUTOSHI		
IPC分类号	G01N33/48 A61B5/00 A61B5/103 G01N1/00 G01N1/22 G01N1/24 G01N33/00 A61B10/00		
CPC分类号	G01N1/24 A61B5/00 A61B5/145 A61B5/441 G01N2001/2244 G01N2001/247		
优先权	2000396949 2000-12-27 JP		
其他公开文献	EP1357376B1 EP1357376A1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

提供了一种用于测量皮肤可渗透气体的装置，其中这种装置可用于通过非侵入性和不流血操作获得临床信息，并且可用于家庭医疗护理和健康管理。用于收集皮肤可渗透气体的装置包括用于储存皮肤可渗透气体的容器（1）；隔板（2），设置在容器（1）内部的下部，在其中心处具有开口（2A）；以及用于打开和关闭隔板（2）的开口（2A）的操作构件（3）。