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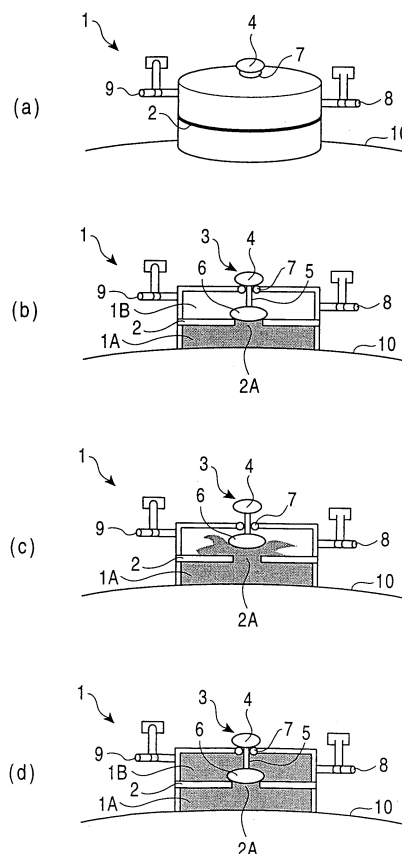
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(54) **Skin permeable gas collector and skin permeable gas measuring apparatus**

(57) An apparatus for measuring skin permeable gas is provided, wherein such an apparatus can be used to obtain clinical information by noninvasive and bloodless operations and are useful for in-home medical care and health management.

A device for collecting skin permeable gas includes a container (1) for storing skin permeable gas; a partition (2), disposed at a lower section inside the container (1), having an opening (2A) at the center thereof; and an operating member (3) for opening and closing the opening (2A) of the partition (2).

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 02 1705

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	FR 2 408 353 A (MEDISHIELD CORP LTD [GB]) 8 June 1979 (1979-06-08) * pages 1-4; claim 1; figure 1 *	1,2	INV. A61B5/00
X	US 4 439 679 A (MCILROY MALCOLM B [US] ET AL) 27 March 1984 (1984-03-27) * column 3, line 7 - line 65; figure 2 *	2	
A	----- JP 11 290280 A (K & S KK) 26 October 1999 (1999-10-26) * abstract *	1	
X	----- US 5 782 871 A (FUJIWARA HIDETAKA [JP] ET AL) 21 July 1998 (1998-07-21) * the whole document *	2	
A	-----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
2 Place of search Munich Date of completion of the search 15 January 2007 Examiner Chopinaud, Marjorie 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 more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

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:

1-2



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: 1-2

A device for collecting/measuring a skin permeable gas comprising a container, storing means and delivery means for delivering the skin gas stored in the container.

2. claim: 3

Device for collecting skin permeable gas, comprising :
a finger-stall including a coupler; and
one or more connections that are connectable with the coupler and include a stopcock.

3. claim: 4

Apparatus for measuring skin permeable gas, comprising :
a first 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.

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

EP 06 02 1705

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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15-01-2007

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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	EP1764032A3	公开(公告)日	2007-06-27
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申请(专利权)人(译)	日本科学技术振兴机构		
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IPC分类号	A61B5/00 G01N33/48 A61B5/103 G01N1/00 G01N1/22 G01N1/24 G01N33/00		
CPC分类号	G01N1/24 A61B5/00 A61B5/145 A61B5/441 G01N2001/2244 G01N2001/247		
代理机构(译)	HOARTON , LLOYD DOUGLAS CHARLES		
优先权	2000396949 2000-12-27 JP		
其他公开文献	EP1764032A2		
外部链接	Espacenet		

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）；和操作构件（3），用于打开和关闭隔板（2）的开口（2A）。

