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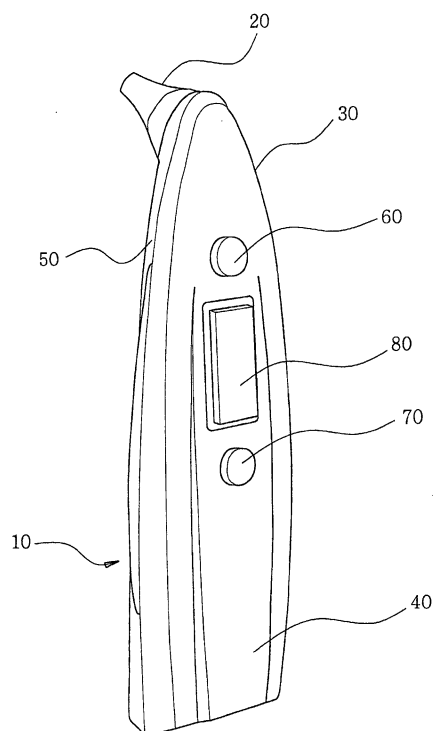
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(54) **Infrared ray clinical thermometer**

(57) An infrared ray clinical thermometer (10) is disclosed. The infrared ray clinical thermometer for detecting infrared rays from an eardrum to measure a body temperature includes the following elements. A main body (30) is provided for being held by hand. A probe part (20) is detachably attached to the main body and has a leading end part for being inserted into an external auditory conduit, the leading end part having an inlet hole for receiving incident infrared rays. An infrared ray sensor is installed within the leading end part of the probe part. The probe part includes the following elements. That is, a hollow speculum is for being inserted into the external auditory conduit. A sensor housing is for accommodating the infrared ray sensor and is adhesively installed within the speculum. An airtight member is provided on a leading end of the sensor housing. The infrared ray sensor is made to approach the eardrum as close as possible, so that the infrared rays from the eardrum can be directly detected. Further, any intrusion of moisture can be completely prevented. As a result, an accurate measurement of the body temperature can be realized.

FIG 1





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			G01K G01J
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		15 September 2003	Ramboer, P
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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专利名称(译)	红外线体温计		
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优先权	1020010028161 2001-05-22 KR		
其他公开文献	EP1260172A2		
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摘要(译)

公开了一种红外线体温计 ( 10 )。用于检测来自鼓膜的红外线以测量体温的红外线体温计包括以下元件。主体 ( 30 ) 设置成用手握持。探头部分 ( 20 ) 可拆卸地连接到主体上, 并具有用于插入外耳道的前端部分, 前端部分具有用于接收入射红外线的入口孔。红外线传感器安装在探头部分的前端部分内。探针部分包括以下元素。也就是说, 中空窥镜用于插入外耳道。传感器外壳用于容纳红外线传感器并且粘附地安装在窥镜内。气密构件设置在传感器壳体的前端上。使红外线传感器尽可能接近鼓膜, 从而可以直接检测来自鼓膜的红外线。此外, 可以完全防止任何水分侵入。结果, 可以实现体温的精确测量。

