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(54) **Small diameter medical devices containing visualization means**

(57) The invention is small diameter medical devices having maximum outer diameters of 3.2mm or less. The medical devices comprise illumination means, an objective lens assembly, and a solid state imager (SSI) having an output video signal..

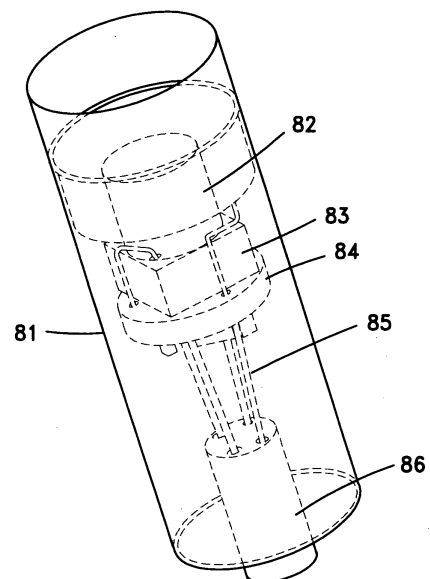


Fig. 6

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EUROPEAN SEARCH REPORT

Application Number
EP 13 16 5052

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 July 2014	Examiner Oelsner, Martin
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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EUROPEAN SEARCH REPORT

 Application Number
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 July 2014	Examiner Oelsner, Martin
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			

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

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	包含可视化装置的小直径医疗设备		
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[标]申请(专利权)人(译)	MEDIGUS		
申请(专利权)人(译)	MEDIGUS LTD.		
当前申请(专利权)人(译)	MEDIGUS LTD.		
[标]发明人	SONNENSCHNEIN ELAZAR SMOLIAR ARIEL MALKA YUVAL		
发明人	SONNENSCHNEIN, ELAZAR SMOLIAR, ARIEL MALKA, YUVAL		
IPC分类号	H04N5/228 A61B1/00 A61B1/05 A61B17/29 G02B23/24 H04N5/225 A61B1/005		
CPC分类号	H04N5/2254 A61B1/00087 A61B1/00096 A61B1/0055 A61B1/05 A61B1/051 A61B17/29 G02B23/243 H04N5/2253 H04N2005/2255		
优先权	61/242823 2009-09-16 US		
其他公开文献	EP2621159B1 EP2621159A2		
外部链接	Espacenet		

摘要(译)

本发明是小直径医疗装置，其最大外径为3.2mm或更小。医疗设备包括照明装置，物镜组件和具有输出视频信号的固态成像器（SSI）。

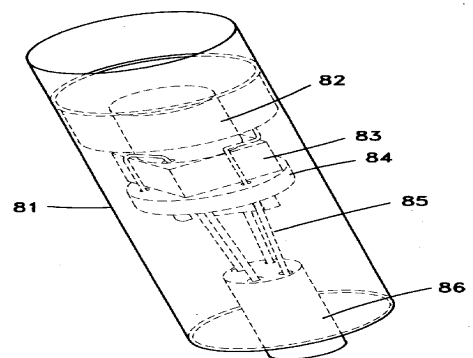


Fig. 6