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(54) **Miniature endoscope with imaging fiber system**

(57) An endoscope (20) comprising a fiber optic waveguide that transmits an image from a distal end to a proximal end, the waveguide (26) having an outer diameter of less than 3 mm, a lens (142) positioned at the

distal end of the fiber optic waveguide, an imaging device optically coupled to the proximal end of the fiber optic waveguide, and a sheath (34) extending about the fiber optic waveguide, the sheath (34) including an illumination channel.

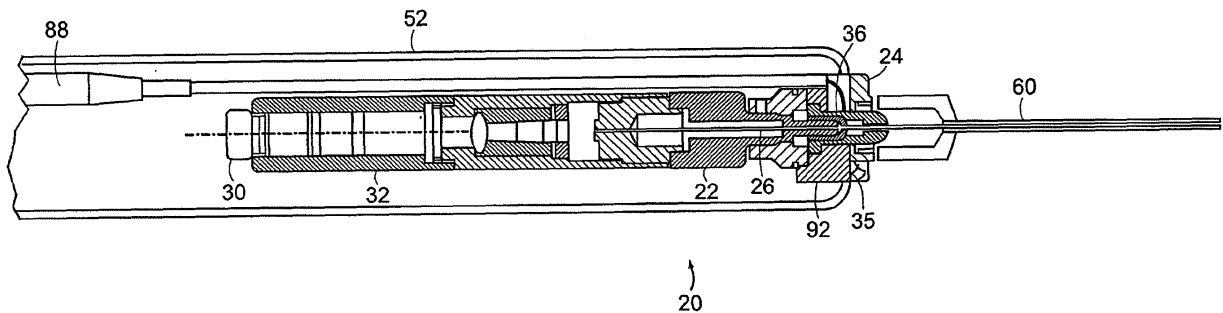


FIG. 5

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EUROPEAN SEARCH REPORT

Application Number
EP 09 16 5339

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Place of search Munich		Date of completion of the search 26 August 2009	Examiner Manschot, Jan
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 09 16 5339

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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)	带成像光纤系统的微型内窥镜		
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申请(专利权)人(译)	VISIONSCOPE INC.		
当前申请(专利权)人(译)	VISIONSCOPE技术有限责任公司		
[标]发明人	REMIJAN PAUL MCDONALD JAMES E		
发明人	REMIJAN, PAUL MCDONALD, JAMES E.		
IPC分类号	A61B1/00 A61B1/04 G02B23/24 G02B23/26		
CPC分类号	A61B1/042 A61B1/00135 A61B1/00142 A61B1/00165 A61B1/00167 A61B1/012 A61B1/015 A61B1/018 A61B1/0607 G02B3/0087 G02B23/2469 G02B23/2476 G02B27/0025		
其他公开文献	EP2103248A2 EP2103248B1		
外部链接	Espacenet		

摘要(译)

一种内窥镜 (20) , 包括光纤波导, 其将图像从远端传输到近端, 波导 (26) 具有小于3mm的外径, 透镜 (142) 位于远端的远端。光纤波导, 光学耦合到光纤波导近端的成像装置, 以及围绕光纤波导延伸的护套 (34) , 护套 (34) 包括照明通道。

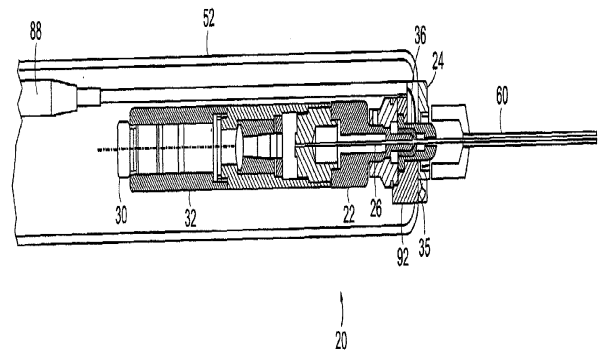


FIG. 5