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(54) **Ultrasonic endoscope, catheter with balloon, magnet indwelling device, and magnet set**

(57) An ultrasonic endoscope (12) includes an elongated insertion section (22) and an operation section (24). The elongated insertion section (22) has a distal end and a proximal end. The operation section (24) is provided at the proximal end of the insertion section. The insertion section includes a distal end hard portion (32)

having a distal end surface at the distal end, the distal end surface of the distal end hard portion including an ultrasonic transducer (42), a forceps channel opening portion (38a) and an object lens (44) on a straight line.

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EUROPEAN SEARCH REPORT

Application Number
EP 10 01 0239

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X,P	EP 1 769 749 A1 (OLYMPUS MEDICAL SYSTEMS CORP [JP]) 4 April 2007 (2007-04-04) * paragraphs [0010] - [0011], [0023]; figures 2-9 *	1,3-5	
A	US 6 632 229 B1 (YAMANOUCHI EIGORO [JP]) 14 October 2003 (2003-10-14) * column 9, line 5 - column 10, line 51; figures 1-5 *	1,3	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
Place of search		Date of completion of the search	Examiner
Berlin		9 April 2013	Nice, Philip
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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专利名称(译)	超声波内窥镜，带气囊的导管，磁铁留置装置和磁铁装置		
公开(公告)号	EP2260752A3	公开(公告)日	2013-05-15
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申请(专利权)人(译)	奥林巴斯医疗系统公司		
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IPC分类号	A61B1/018 A61B8/12 A61F2/958		
CPC分类号	A61B1/00082 A61B1/00179 A61B1/018 A61B1/31 A61B8/12 A61B8/4416 A61B8/445 A61B17/00491 A61B17/068 A61B17/1114 A61B17/221 A61B17/3478 A61B2017/00278 A61B2017/00818 A61B2017/ /00876 A61B2017/0417 A61B2017/06052 A61B2017/0649 A61B2017/1103 A61B2017/1117 A61B2017/ /1139 A61B2017/3425		
优先权	11/511197 2006-08-28 US		
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摘要(译)

超声波内窥镜 (12) 包括细长的插入部分 (22) 和操作部分 (24) 。细长插入部分 (22) 具有远端和近端。操作部分 (24) 设置在插入部分的近端。插入部分包括远端硬质部分 (32) ，远端硬质部分 (32) 具有位于远端的远端表面，远端硬质部分的远端表面包括超声换能器 (42) ，钳子通道开口部分 (38a) 和物镜 (44) 在一条直线上。

EUROPEAN SEARCH REPORT		Application Number EP 10 01 0239																								
DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category</th> <th>Citation of documents with indication, where appropriate, of relevant passages</th> <th>Relevant to claim</th> <th>CLASSIFICATION OF THE APPLICATION (IPC)</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2006/015003 A1 (MOADDEB SHAHRAM [US] ET AL) 19 January 2006 (2006-01-19) * paragraph [0057] - paragraph [0058]; Figures 11E-J *</td> <td>1, 4, 5</td> <td>1B1 A61B1/018 A61B8/12</td> </tr> <tr> <td>X, P</td> <td>EP 1 769 749 A1 (OLYMPUS MEDICAL SYSTEMS CORP. [JP]) 4 April 2007 (2007-04-04) * paragraphs [0010] - [0011], [0023]; Figures 2-9 *</td> <td>1, 3-5</td> <td></td> </tr> <tr> <td>A</td> <td>US 6 632 229 B1 (YAMANOUCHI EIICHIRO [JP]) 14 October 2003 (2003-10-14) * column 9, line 5 - column 10, line 51; Figures 1-5 *</td> <td>1, 3</td> <td></td> </tr> <tr> <td>A, D</td> <td>US 5 690 656 A (COPE CONSTANTIN [US] ET AL) 25 November 1997 (1997-11-25) * abstract; Figures 4, 13 *</td> <td>1, 3</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td>TECHNICAL FIELDS SEARCHED (IPC) A61B</td> </tr> </tbody> </table>			Category	Citation of documents with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	X	US 2006/015003 A1 (MOADDEB SHAHRAM [US] ET AL) 19 January 2006 (2006-01-19) * paragraph [0057] - paragraph [0058]; Figures 11E-J *	1, 4, 5	1B1 A61B1/018 A61B8/12	X, P	EP 1 769 749 A1 (OLYMPUS MEDICAL SYSTEMS CORP. [JP]) 4 April 2007 (2007-04-04) * paragraphs [0010] - [0011], [0023]; Figures 2-9 *	1, 3-5		A	US 6 632 229 B1 (YAMANOUCHI EIICHIRO [JP]) 14 October 2003 (2003-10-14) * column 9, line 5 - column 10, line 51; Figures 1-5 *	1, 3		A, D	US 5 690 656 A (COPE CONSTANTIN [US] ET AL) 25 November 1997 (1997-11-25) * abstract; Figures 4, 13 *	1, 3					TECHNICAL FIELDS SEARCHED (IPC) A61B
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