

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 86 9387

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	US 2012/172896 A1 (TAKAHASHI SHINJI [JP] ET AL) 5 July 2012 (2012-07-05) * paragraph [0105]; figures 6, 27 *	1-13	INV. A61B8/12 A61B1/00 A61B10/04 A61B17/00 A61B17/34 A61M25/00 A61M31/00
A	US 2005/267495 A1 (GINN RICHARD S [US] ET AL) 1 December 2005 (2005-12-01) * abstract; figures 1-6 *	1-13	
A	DE 10 2005 012574 A1 (BKH TECHNOTRANSFER GMBH [DE]) 21 September 2006 (2006-09-21) * abstract; figures 1-8b *	12,13	
A	US 2013/325038 A1 (SATO MASATOSHI [JP]) 5 December 2013 (2013-12-05) * abstract; figures 1, 2 *	1	
A	US 2013/172758 A1 (DE MARCHENA EDUARDO [US]) 4 July 2013 (2013-07-04) * abstract; figure 1 *	1,3	
A	US 6 419 621 B1 (SIOSHANSI PIRAN [US] ET AL) 16 July 2002 (2002-07-16) * abstract; figures 1-3 *	1,12,13	TECHNICAL FIELDS SEARCHED (IPC) A61B
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search		Date of completion of the search	Examiner
The Hague		2 August 2017	Moers, Roelof
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.**

EP 14 86 9387

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-08-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2012172896 A1	05-07-2012	CN 101700191 A	05-05-2010
		CN 102688077 A	26-09-2012
		EP 2143390 A2	13-01-2010
		EP 2380508 A2	26-10-2011
		JP 5048022 B2	17-10-2012
		JP 5613197 B2	22-10-2014
		JP 2010017541 A	28-01-2010
		JP 2012148183 A	09-08-2012
		US 2010010508 A1	14-01-2010
		US 2012172896 A1	05-07-2012
US 2005267495 A1	01-12-2005	AU 2005247420 A1	08-12-2005
		CA 2564671 A1	08-12-2005
		EP 1765183 A2	28-03-2007
		JP 2008504943 A	21-02-2008
		US 2005267495 A1	01-12-2005
		US 2006212071 A1	21-09-2006
		US 2007073315 A1	29-03-2007
		US 2010256670 A1	07-10-2010
		WO 2005115256 A2	08-12-2005
DE 102005012574 A1	21-09-2006	DE 102005012574 A1	21-09-2006
		EP 1871266 A2	02-01-2008
		WO 2006097331 A2	21-09-2006
US 2013325038 A1	05-12-2013	JP W02013069436 A1	02-04-2015
		US 2013325038 A1	05-12-2013
		WO 2013069436 A1	16-05-2013
US 2013172758 A1	04-07-2013	NONE	
US 6419621 B1	16-07-2002	CA 2373771 A1	30-11-2000
		EP 1183070 A1	06-03-2002
		JP 2003508096 A	04-03-2003
		US 6419621 B1	16-07-2002
		WO 0071204 A1	30-11-2000

专利名称(译)	超声波穿刺针		
公开(公告)号	EP3081168A4	公开(公告)日	2017-09-13
申请号	EP2014869387	申请日	2014-12-10
[标]申请(专利权)人(译)	奥林巴斯株式会社		
申请(专利权)人(译)	OLYMPUS CORPORATION		
当前申请(专利权)人(译)	OLYMPUS CORPORATION		
[标]发明人	SATO MASATOSHI		
发明人	SATO, MASATOSHI		
IPC分类号	A61B8/12 A61B1/00 A61B10/04 A61B17/00 A61B17/34 A61M25/00 A61M31/00		
CPC分类号	A61B1/00098 A61B1/00179 A61B8/0841 A61B8/12 A61B8/4444 A61B17/3468 A61B17/3478 A61B2010/045 A61B2017/00331 A61B2017/0034 A61B2090/3908 A61B2090/3987 A61M25/0108 A61M2025/009 A61N2005/1025 A61B1/018 A61B1/06 A61B8/445		
优先权	2013257469 2013-12-12 JP		
其他公开文献	EP3081168B1 EP3081168A1		
外部链接	Espacenet		

摘要(译)

本发明提供一种超声波内窥镜用穿刺针，其特征在于，针管具有侧孔，该侧孔构成为在针管的比弯曲形状部分更远侧的管壁之间的一部分管壁被切断，管壁穿过包括弯曲形状部分的中心线的平面，管壁位于弯曲形状部分的弯曲的内侧，并且导线能够从侧孔输送;并且，在线被拉伸并装入针管的状态下，线的至少一部分位于弯曲形状部分。



European Patent Office
Patent Office
2017-09-13

SUPPLEMENTARY
EUROPEAN SEARCH REPORT

Application Number
EP 14 86 9387

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevance to claims	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2012/172896 A1 (TAKAHASHI SHINJI [JP] ET AL) 5 July 2012 (2012-07-05) * paragraph [0105]; figures 6, 27 *	1-13	INT. A61B8/12 A61B1/00 A61B10/04 A61B17/00 A61B17/34 A61M25/00 A61M31/00
A	US 2005/267495 A1 (GINN RICHARD S [US] ET AL) 1 December 2005 (2005-12-01) * abstract; figures 1-6	1-13	
A	DE 10 2005 012574 A1 (BKH TECHNOTRANSFER GMBH [DE]) 21 September 2006 (2006-09-21) * abstract; figures 1-8b	12, 13	
A	US 2013/325038 A1 (SATO MASATOSHI [JP]) 5 December 2013 (2013-12-05) * abstract; figures 1, 2	1	
A	US 2013/172758 A1 (DE MARCHEA EDUARDO [US]) 4 July 2013 (2013-07-04) * abstract; figure 1	1, 3	
A	US 6 419 621 B1 (SIOGHARD PIRAN [US] ET AL) 16 July 2002 (2002-07-16) * abstract; figures 1-3	1, 12, 13	TECHNICAL FIELD SEARCHED (IPC) A61B

The supplementary search report has been based on the last
prior art document available at the start of the search.

The Hague

2 August 2017

Moers, Roelof

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100