



(11) **EP 2 982 308 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 54

(51) Int Cl.:
A61B 8/12 (2006.01)

(86) International application number:
PCT/JP2014/077818

(48) Corrigendum issued on:
11.09.2019 Bulletin 2019/37

(87) International publication number:
WO 2015/102066 (09.07.2015 Gazette 2015/27)

(45) Date of publication and mention
of the grant of the patent:
24.07.2019 Bulletin 2019/30

(21) Application number: **14877415.1**

(22) Date of filing: **20.10.2014**

(54) **ULTRASOUND ENDOSCOPE**
ULTRASCHALLENGENDOSKOP
ENDOSCOPE ULTRASONORE

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(30) Priority: **06.01.2014 JP 2014000467**

(43) Date of publication of application:
10.02.2016 Bulletin 2016/06

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专利名称(译)	超声内窥镜		
公开(公告)号	EP2982308B8	公开(公告)日	2019-09-11
申请号	EP2014877415	申请日	2014-10-20
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IPC分类号	A61B8/12		
CPC分类号	A61B1/0011 A61B8/12 A61B8/445 A61B1/00101 A61B8/4281 A61B8/4455 A61B8/4494		
代理机构(译)	SCHICKER , SILVIA		
优先权	2014000467 2014-01-06 JP		
其他公开文献	EP2982308B1 EP2982308A1 EP2982308A4		
外部链接	Espacenet		

摘要(译)

根据本发明的超声波内窥镜包括：超声波换能器部分，其从矩形上表面发送/接收超声波；声透镜，其覆盖超声波换能器部分的上表面和侧面，以形成四棱柱形状，并且包括由四棱柱形状的四个角中的至少一个角部切掉的倒角部分；壳体，其是容纳超声换能器部分和声透镜的壳体，壳体包括矩形的第一开口部分，其中四棱柱形状的声透镜被装配在其中，以及第二开口部分，电缆从该第一开口部分被拉出在第一开口部分的内部，在倒角部分和第一开口部分的角部之间形成粘合剂出口，粘合剂出口是粘合剂从其流出的间隙；以及在壳体内充电并填充粘合剂出口的粘合剂。