



(11) **EP 2 193 747 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:
G01S 15/89 ^(2006.01) **A61B 8/00** ^(2006.01)
A61B 8/08 ^(2006.01) **G01S 7/52** ^(2006.01)

(48) Corrigendum issued on:
17.06.2015 Bulletin 2015/25

(45) Date of publication and mention
of the grant of the patent:
06.05.2015 Bulletin 2015/19

(21) Application number: **09174827.7**

(22) Date of filing: **03.11.2009**

(54) **Ultrasound system and method of providing orientation help view**

Ultraschallsystem und Verfahren zur Bereitstellung einer Ausrichtungshilfsansicht

Système à ultrasons et procédé pour la fourniture d'une vue d'aide à l'orientation

(84) Designated Contracting States:
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 SE SI SK SM TR

(30) Priority: **02.12.2008 KR 20080121179**
30.01.2009 KR 20090007198

(43) Date of publication of application:
09.06.2010 Bulletin 2010/23

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(56) References cited:
EP-A- 1 857 051 WO-A-97/20288
US-A1- 2004 138 559

- **MERCIER L ET AL: "A review of calibration techniques for freehand 3-D ultrasound systems" ULTRASOUND IN MEDICINE AND BIOLOGY, NEW YORK, NY, US, vol. 31, no. 4, 1 April 2005 (2005-04-01), pages 449-471, XP004849064 ISSN: 0301-5629**

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专利名称(译)	超声系统和提供定向帮助视图的方法		
公开(公告)号	EP2193747B8	公开(公告)日	2015-06-17
申请号	EP2009174827	申请日	2009-11-03
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IPC分类号	G01S15/89 A61B8/00 A61B8/08 G01S7/52		
CPC分类号	A61B8/08 A61B8/461 A61B8/466 A61B8/467 A61B8/469 A61B8/483 G01S7/52073 G01S15/8993		
代理机构(译)	SCHMID , WOLFGANG		
优先权	1020080121179 2008-12-02 KR 1020090007198 2009-01-30 KR		
其他公开文献	EP2193747B1 EP2193747A1		
外部链接	Espacenet		

摘要(译)

超声系统和提供定向帮助 (OH) 的方法技术领域超声系统包括：超声数据获取单元，包括：超声探头，用于将超声信号发送到目标对象;以及接收从目标对象反射的超声回波信号;超声数据获取单元，被配置为基于超声回波信号获取超声数据，所述超声数据采集单元，还用于检测所述超声探头的方向和扫描方向;处理器，用于基于超声数据形成体数据，并形成显示体数据在显示区域上的空间取向的取向帮助 (OH) 视图，OH视图包括指示检测到的超声探头取向的探针取向标记以及表示检测到的扫描方向的扫描方向标记。