

(19)



(11)

**EP 1 274 348 B8**

(12)

**CORRECTED EUROPEAN PATENT SPECIFICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:

**Corrected version no 1 (W1 B1)**  
**Bibliography INID code(s) 73**

(51) Int Cl.:

**A61B 8/00** (2006.01)      **A61N 7/02** (2006.01)  
**B06B 1/02** (2006.01)

(48) Corrigendum issued on:

**21.11.2007 Bulletin 2007/47**

(86) International application number:

**PCT/IL2001/000339**

(45) Date of publication and mention of the grant of the patent:

**26.09.2007 Bulletin 2007/39**

(87) International publication number:

**WO 2001/080708 (01.11.2001 Gazette 2001/44)**

(21) Application number: **01923937.5**

(22) Date of filing: **12.04.2001**

**(54) SYSTEMS FOR REDUCING SECONDARY HOT SPOTS IN A PHASED ARRAY FOCUSED ULTRASOUND SYSTEM**

SYSTEME ZUR VERMINDERUNG SEKUNDÄRER HEISSER STELLEN IN PHASENGESTEUERTEN FOKUSIERTEN ULTRASCHALLSYSTEMEN

SYSTEMES DE REDUCTION DES ZONES SENSIBLES SECONDAIRES DANS UN SYSTEME A ULTRASONS FOCALISE A RESEAU EN PHASE

(84) Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**

• **BRENNER, Naama**  
**34 816 Haifa (IL)**

(30) Priority: **21.04.2000 US 556095**

(74) Representative: **Schmitz, Jean-Marie et al**  
**Dennemeyer & Associates S.A.**  
**P.O. Box 1502**  
**1015 Luxembourg (LU)**

(43) Date of publication of application:  
**15.01.2003 Bulletin 2003/03**

(73) Proprietor: **Insightec, Ltd.**  
**39120 Tirat Hacarmel (IL)**

(56) References cited:  
**WO-A2-99/40847**      **US-A- 4 955 366**  
**US-A- 5 230 334**      **US-A- 5 501 655**  
**US-A- 5 694 936**      **US-B1- 6 267 734**

(72) Inventors:

• **VITEK, Shuki**  
**34 324 Haifa (IL)**

**EP 1 274 348 B8**

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

专利名称(译)	用于减少相控阵聚焦超声系统中的二次热点的系统		
公开(公告)号	<a href="#">EP1274348B8</a>	公开(公告)日	2007-11-21
申请号	EP2001923937	申请日	2001-04-12
[标]申请(专利权)人(译)	TXSONICS		
申请(专利权)人(译)	TXSONICS LTD.		
当前申请(专利权)人(译)	InSightec. , LTD.		
[标]发明人	VITEK SHUKI BRENNER NAAMA		
发明人	VITEK, SHUKI BRENNER, NAAMA		
IPC分类号	A61B8/00 A61N7/02 B06B1/02 A61B18/00 A61B17/225 A61N7/00 G10K11/34 H01Q21/20 H04R3/00 H04R17/00		
CPC分类号	A61N7/02 A61B8/4494 A61N2007/0065 A61N2007/0073 A61N2007/0078 A61N2007/0095 B06B1/0284 G10K11/346		
优先权	09/556095 2000-04-21 US		
其他公开文献	EP1274348A4 EP1274348B1 EP1274348A2		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

用于使用聚焦超声执行治疗过程的系统和方法包括提供包括多个换能器元件 ( 22 ) 的压电换能器, 例如凹同心环阵列或换能器元件的线性阵列。驱动电路 ( 14 ) 耦合到换能器, 用于在多个离散RF频率之一处向换能器元件提供驱动信号。控制器 ( 16 ) 耦合到驱动电路, 用于周期性地改变驱动信号的频率为多个离散频率中的一个, 同时控制驱动信号的相位分量以将换能器的焦点保持在主要聚焦区域在单次超声期间。