

(19) (KR)
(12) (A)

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(22)	2004 08 17		
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(86)	PCT/IB2003/000609	(87)	WO 2003/071306
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(30) 10/080,160 2002 02 20 (US)

(71) , , 1

(72) , , -5656, . 6
, , -5656, . 6

(74)

(54) 3D

, , 3D

1

, 3D

, 3D , 가 1D
, 3D (rocking)
,
,
,
, 300 - 400 (136 171kg) 가 가 3D
가 2D
, 3D

1		3D
2a		1
2b	2a	2D
3	, 1,	2a,
4	, 3	
5	1	PC
6		
7a		
7b	7a	1D
8		3D

9 PC 31

10 3D

가

1 , 3D (100) , (10) ,
RF () (10) (static beamforming) (10) RF (d)
yndamic beamformer)(20) (20) RF RF
yndamic beamforming) (20) RF (30) (30) PC () (25) (40) (50) 3D

$$2a \quad 1 \quad (10) \quad . \quad (10) \quad 2D \quad (14) \quad (12) ,$$

$$(16) \quad . \quad (12) \quad .$$

2b 2a 2D (14) , 2D (14) 1000 6000 (12)
 . , 3000 (12) (10)가 . 2D (14) 2b

4 3 (18) 2 , ,
 10 (10) 12 (12) , ,
 11 (9) HV() (13) 4 (11) HV
 T/R(/) (13) 4 (12) (13) (9) 4
 HV (13) 4 (12)

, (12) (12) , T/R (9) (15) (echoed). 가
 가 (19) (19) (static delay) (19)

1 (7) 가 (5) TGC()
RF (17) 가 (12) (5) 가
.) . 가 . .

6 (142) (142) . PC 3D (25) (100) . PC (25) . (142)
 CPU, (142) , 가 () 6 3D (100) 10 (50) (4kg)

가 가

가

3D

(57)

1.

3D

3D

2. 1 , , 3D 3D , , 3D
3. 2 , ,
4. 1 2 , , ,
5. 4 , , 1D 2D , ,
6. 5 , , , ,
7. 1 2 , , , PC , ,
8. 1 2 , , , , ,
9. 3 , , , , , , , ,
10. 4 , , , , , , , , 1
11. 10 , , , , (dynamic beamformer) , , ,
12. 11 , , , , , , , 3D
13. 1 , , 3D (single image), (bi-plane image), (volumetric image), (multiplane image), (holographic image)

14.

10

3D

3

3

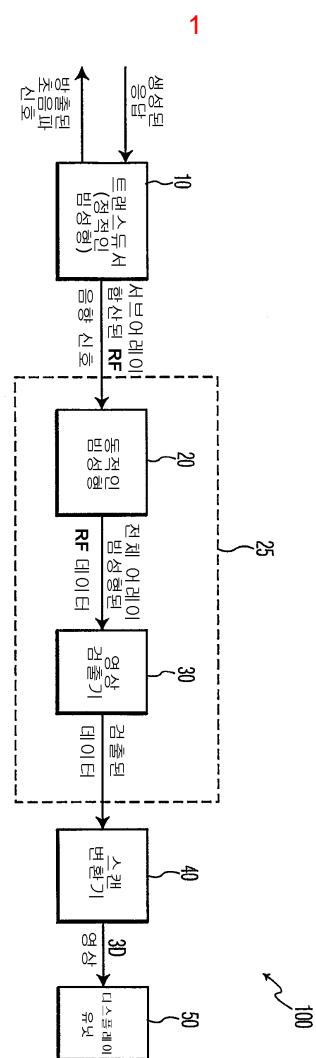
(focus) /

3

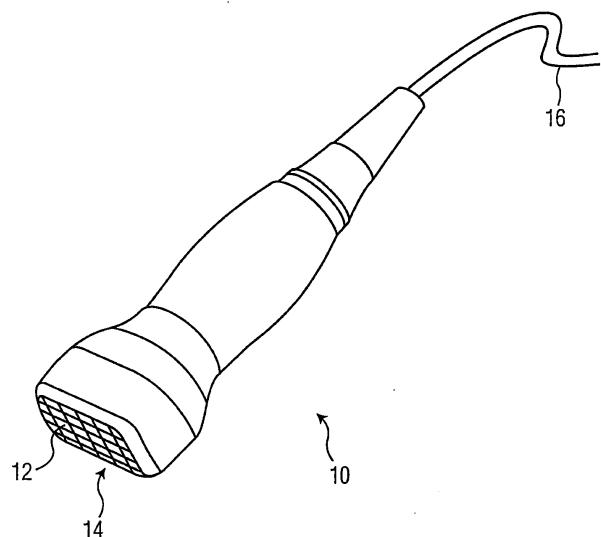
15.

3D

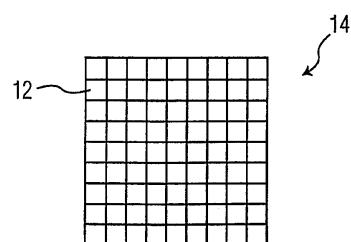
3D



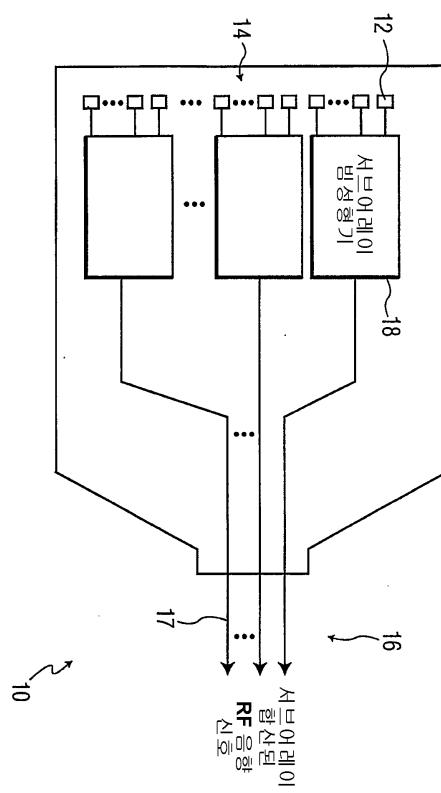
2a



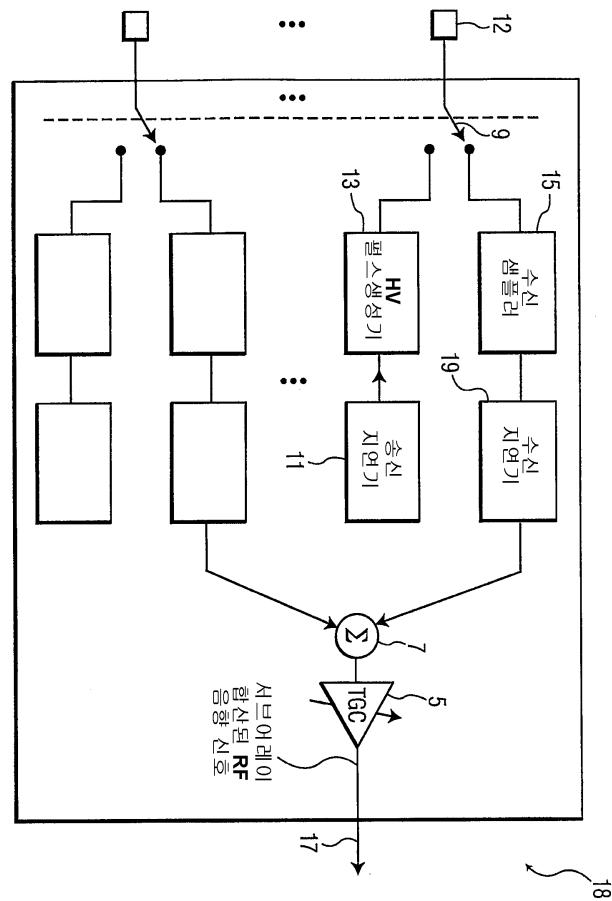
2b



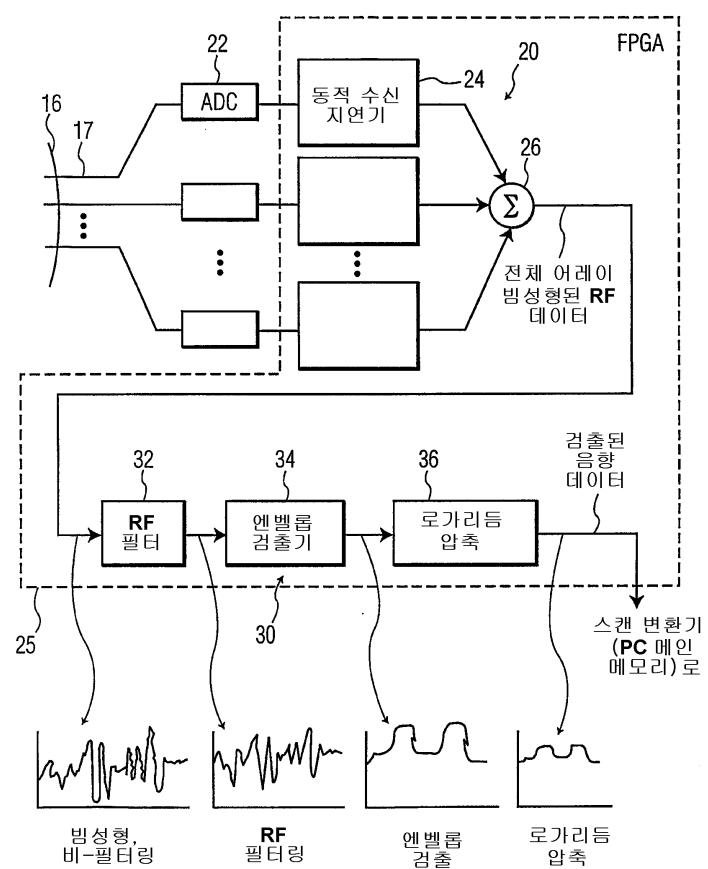
3



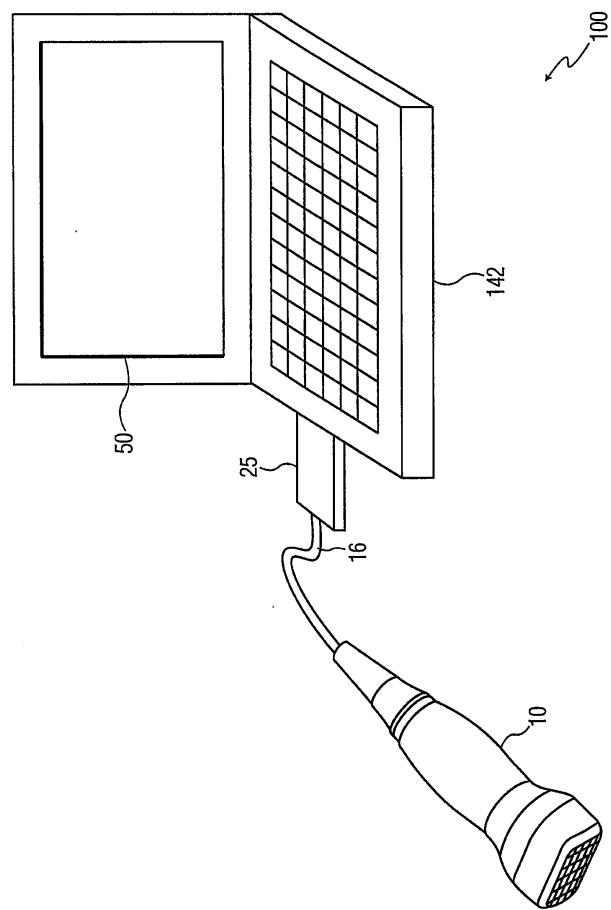
4



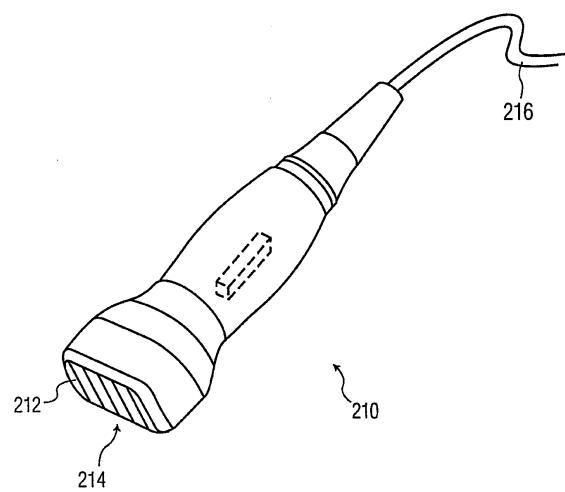
5



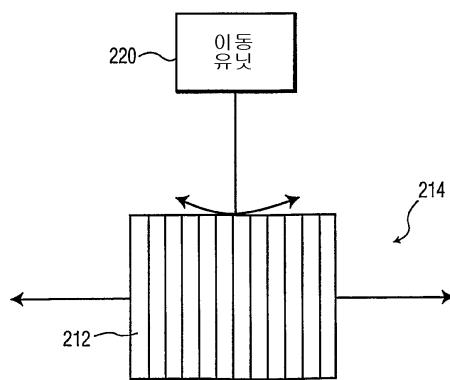
6



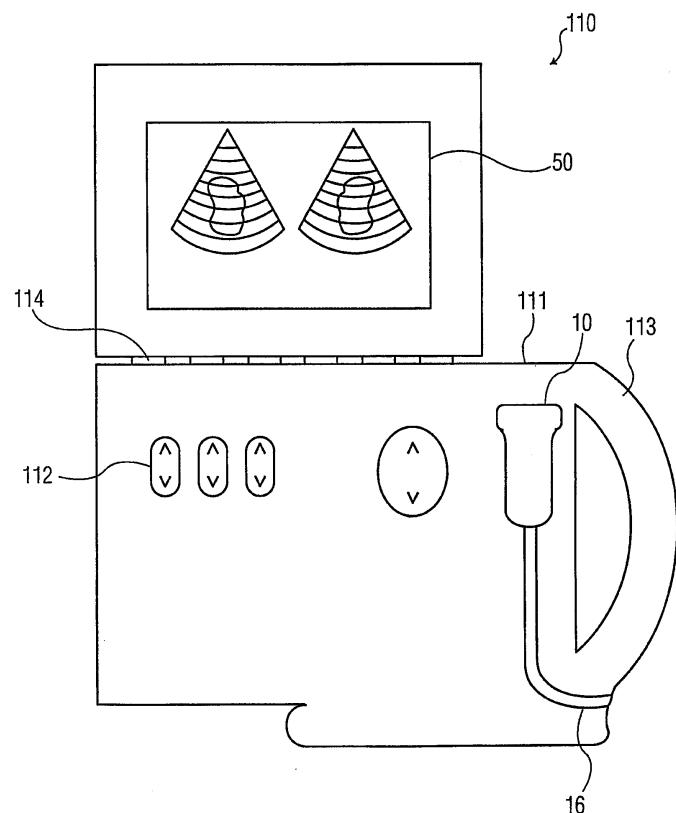
7a



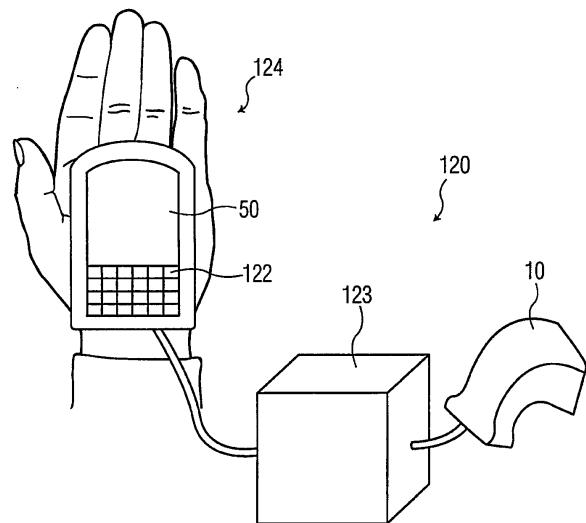
7b



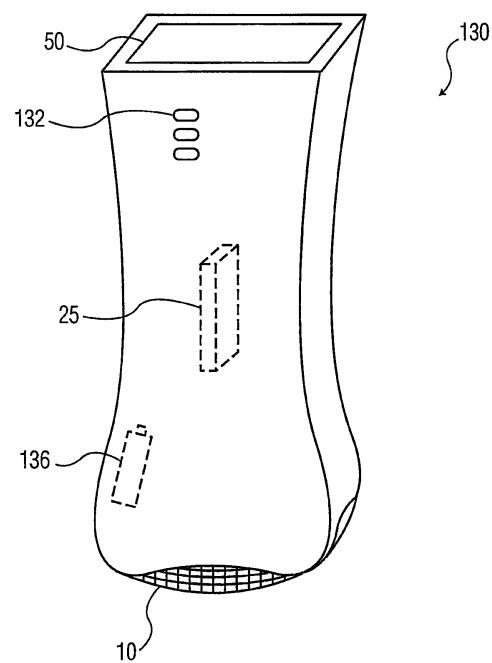
8



9



10



专利名称(译)	便携式3D超声系统		
公开(公告)号	KR1020040084919A	公开(公告)日	2004-10-06
申请号	KR1020047012734	申请日	2003-02-17
[标]申请(专利权)人(译)	皇家飞利浦电子股份有限公司		
申请(专利权)人(译)	科宁欣克利凯恩菲利普斯日元.V.		
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IPC分类号	G01S7/521 G01H3/00 G10K11/34 G01S7/52 G01S15/89 G01H1/00 A61B8/00		
CPC分类号	G01H3/00 G01H1/00 G01S15/8927 G10K11/346 G01S7/52082 G01S7/5208 G01S7/52079 G01S7/52046 A61B8/4427 G01S15/8993 G01S15/8925		
代理人(译)	MOON , KYOUNG金		
优先权	10/080160 2002-02-20 US		
外部链接	Espacenet		

摘要(译)

便携式超声波装置包括用于发射超声能量的发射器，用于接收根据超声能量产生的响应的接收器，用于将产生的响应转换成3D超声图像的信号，处理器和用于显示3D超声图像的显示单元。 1

