

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

(51) Int. Cl.⁷
 A61B 8/12

(11)
 (43)

2003-0081084
 2003 10 17

(21) 10-2003-0022150
 (22) 2003 04 09

(30) JP-P-2002-00107300 2002 04 10 (JP)

(71) 53188 3000

(72) 가 4 7-127

(74)

:

(54) ,

1

1

2

(transmitter receiver)

3

(sound rays)

(sound rays)

4

B-

(B-mode processor)

5 (image processor) ;

6 (probe) ,

7 (puncturing needle guide) ,

2 : 6 :

10 : B 14 :

16 : 18 :

300 : 320 :

331 : 351 :

(biopsy)

(intracorporeal) , (tomographic image)

(echoes) ,

가 .

(transvaginal)
(rod-like)

가 , 가 .

가 ,

(1) (plate-like body) ,

(hollow) :

가

가

가

1

(4) , (vagina) (rectum) (2)
(2) (300) (300) (320) (300)
(300) . . .
(2) (6) (6) (2)
(2) (2) (6) (2)

2 (6) . , (6) (transmission timing ge
neration unit)(602) . (602) (controller
(transmission beam former)(604)
)

$$\begin{aligned} & (604) \quad , \quad (\text{beam-forming signal}) \\ & (\text{time lag}) \quad (604) \quad (606) \end{aligned}$$

(606) . , 가
aperture)

, , (4) (604) (602) (610)

(6) (200) Z (6), 3 (202) 2 ?

(57)

;

;

;

가

,

2.

1

,

3.

1

,

4.

1

,

5.

1

,

6.

1

,

가

,

가

7.

,

;

;

가 , ;
가 , ;

, ;
,

,

8.
7 ,

9.
7 ,

10.
7 ,

11.
7 ,

12.
,

; ,

,

, , ,
가 , ,
,

13.
12 ,

14.

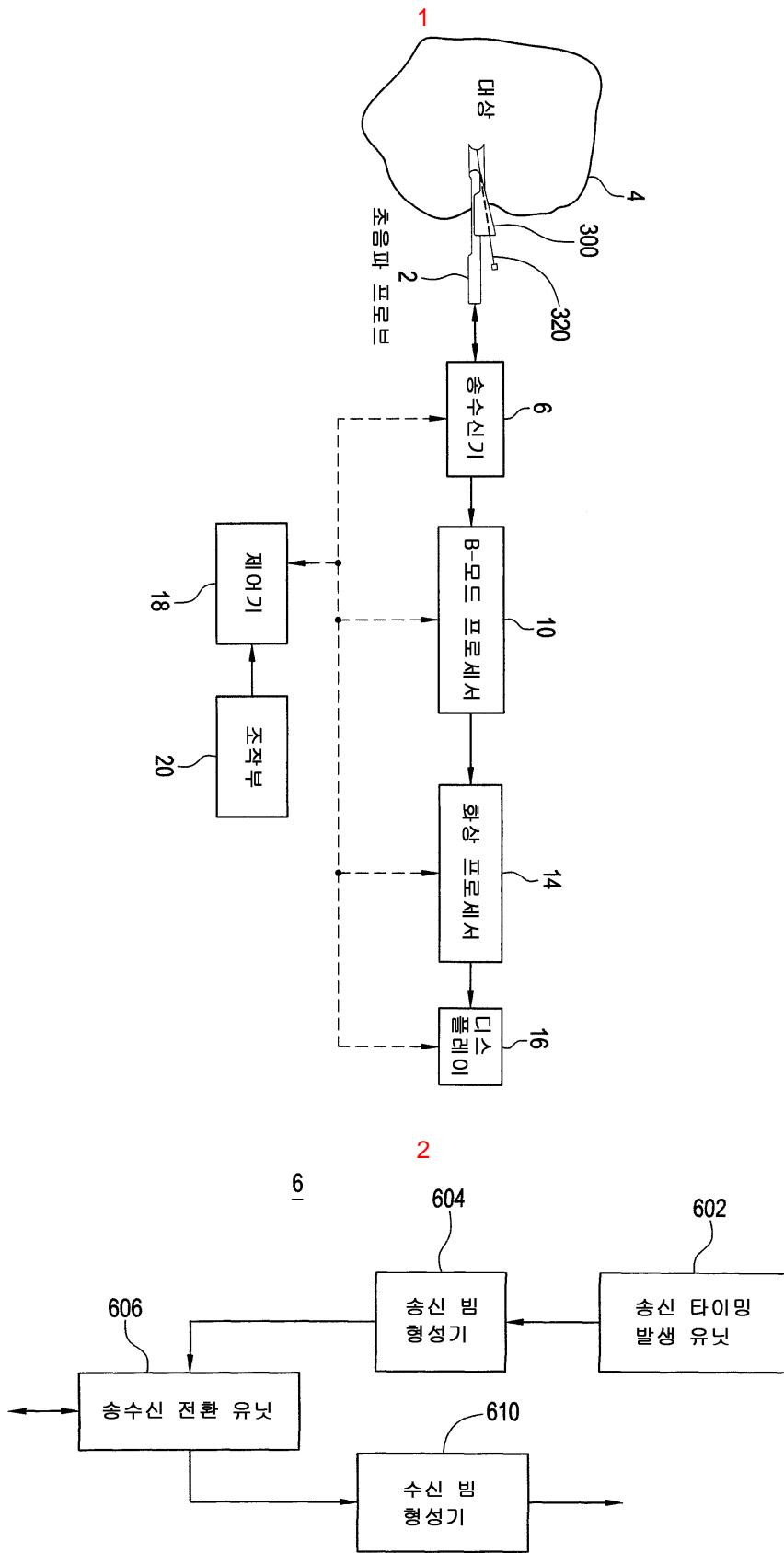
12

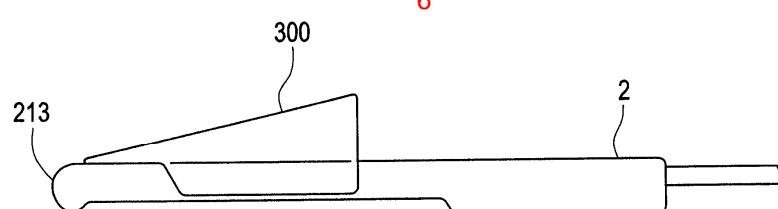
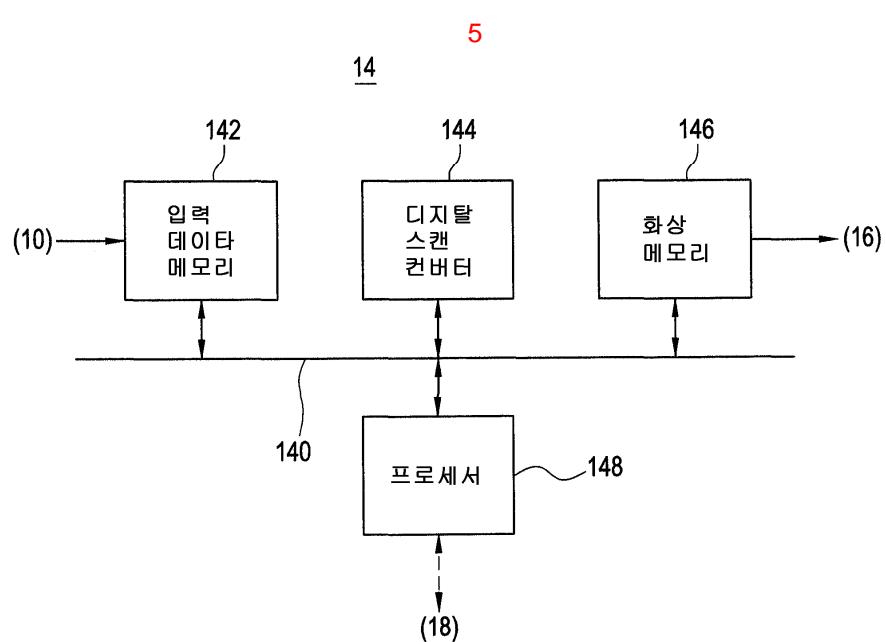
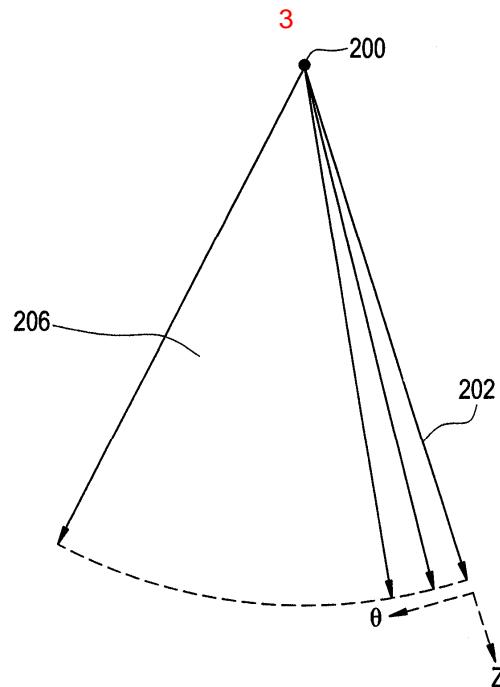
15.

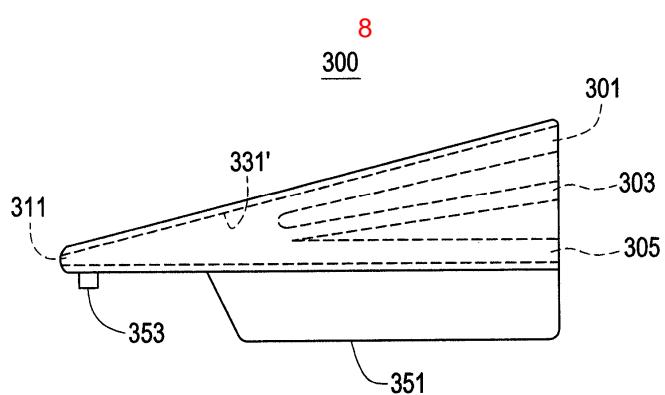
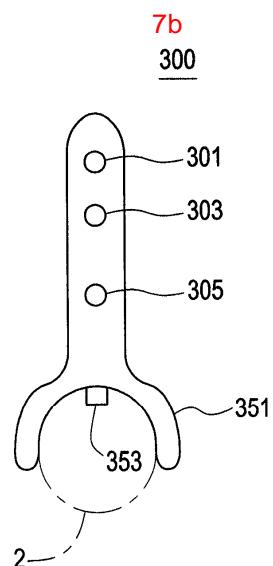
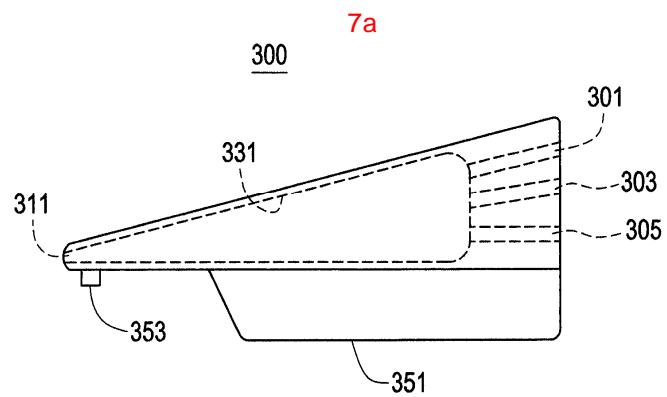
12

16.

12







专利名称(译)	超声波探头，超声波成像装置		
公开(公告)号	KR1020030081084A	公开(公告)日	2003-10-17
申请号	KR1020030022150	申请日	2003-04-09
申请(专利权)人(译)	지이메디컬시스템즈글로벌테크놀러지컴파니엘엘씨		
[标]发明人	ITO HIROKI 이토 히로키		
发明人	이토 히로키		
IPC分类号	A61B8/12		
CPC分类号	A61B8/12		
代理人(译)	Gimchangse 長城.		
优先权	2002107300 2002-04-10 JP		
其他公开文献	KR100806449B1		
外部链接	Espacenet		

摘要(译)

本发明的目的是提供一种能够在多个方向上穿透的穿刺针引导件。其中，穿刺针引导件具有板形，其中宽度从一端到另一端逐渐减小，在板的一端的端面中形成多个孔，针可以穿过该孔，单个孔形成在板的另一端的端面中并且穿刺针可以穿过该孔;在板的内部形成并且能够使多个孔与单个孔连通的中空孔，并且沿着板的宽度方向边缘形成的板状构件 - 并且附接部分用于附接到超声波探头。 1

