

1

1	2		2
	1		
2	2		2
	2		
3	2		2
	3		
4		4	
5	2		2

FET

()

1:	2:	1		
3:	2	4:	1	
5:	2	6:	1	
7:	2	8:	1	
9:	2	10:	1	
11:	2	12:	1	
13:	2			15: 1
16:	2	17:	1	
18:	2	118:	1	()
119:	2	()	218:	1
219:	2	401:	1	
402:	1			
403:	2			
404:	2			
405:	1		FET	
406:	2		FET	
407:	1	1		
408:	1	2		
409:	2	1		
410:	2	2		
411:	1			
412:	2			
413:	1			
414:	2			
415,416				
417:	1			
418:	2			
419:	1			
420:	1			
421:	2			
422:	2			
423:	1			
424:	2			

3 () (119) 3 (lumped - constant) 319 1 , 320 1
 1 2 () 2 180 MHz 90 MHz 90
 MHz 180 MHz 1 (319) 2 (320) 90 MHz 1
 2 1, 2 3 2 2 3 2 3 4
 , 2 , 3 3 4
 , 가 ,
 4 가 FET 1, 2 3
 4 , 401 1 , 402 1 , 403 2
 , 404 2 , 405 1 FET, 406 2 FET, 40
 7 1 1 , 408 1 2 , 409 2 1
 , 410 2 2 , 411 1 , 412 2
 , 413 1 , 414 2 , 415 416 DC
 , 417 1 , 418 2 , 419 1 , 420
 1 , 421 2 , 422 2 , 423
 1 , 424 2 . 가 ,

가 f2RX = 869 MHz 894 MHz, 1 가 f1RX = 1930 MHz 1990 MHz, 2
 2 f2LO = 959 MHz 1074 MHz, 1 f1LO = 2110 MHz 2170 MHz,
 W1 = 1.23 MHz, 2 f2IF = 90 MHz , 2 가 f1IF = 180 MHz, 1
 W2 = 30 KHz

가 1 A FET (401) (407)
 (413) (405) (402) (408)가 2 (405) 1 (42
 0) (411)가 (401) 1 (f1RX) 가 2
 (419) (402) 1 (f1LO) 가 1
 (f1IF) (417) 1 (413) (415)
 가 2 (f2IF) 1 (f2IF)
 (418) 2 (f1IF) 1 (f1IF)
 F) 가 1 (423) (403)
 (409)가 2 B C FET (404) (410)가 2
 (414) (412)가 2 FET(406)
 1 (422) (403) 2 (f2RX) 가 ,
 2 (421) (404) 2 (f2LO) 가
 B 2 1 (f1IF) 가 가
 C B 2 1 (f2IF) , 가 (414)
 (416) A 423 (417,418)
 C 2 B 1 424 ,

가 , 가
 가 .
 , , 가가 가 .

(57)

1.

가

2.

1 ()가

3.

1

4.

1 가

5.

1 4 가 , 1 가 1
2 가 FET

6.

5 FET

7.

()
5 FET FET 1,

8.

()
1 4 6 ;

9.

()
6 FET FET 1,

10.

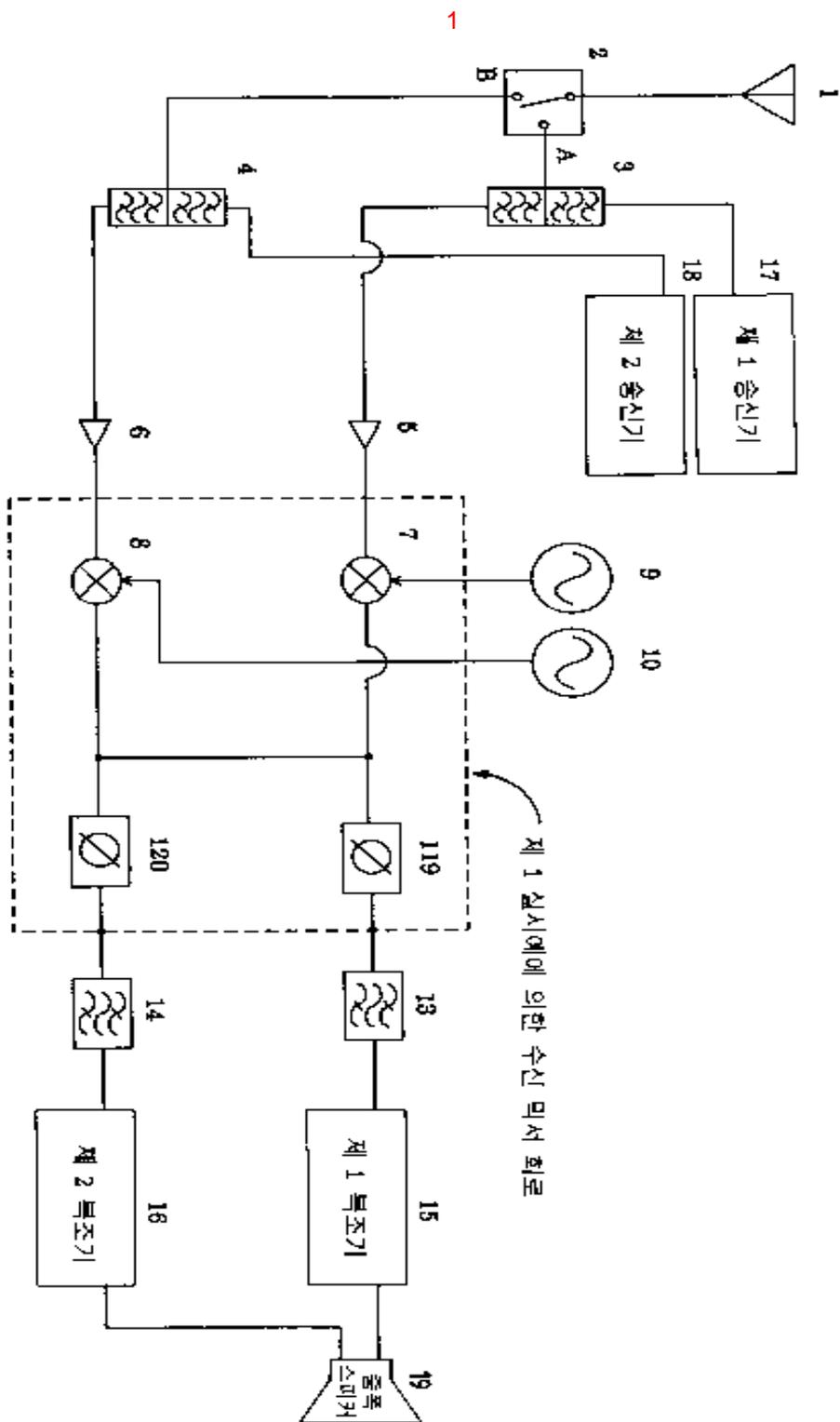
()
5 ;

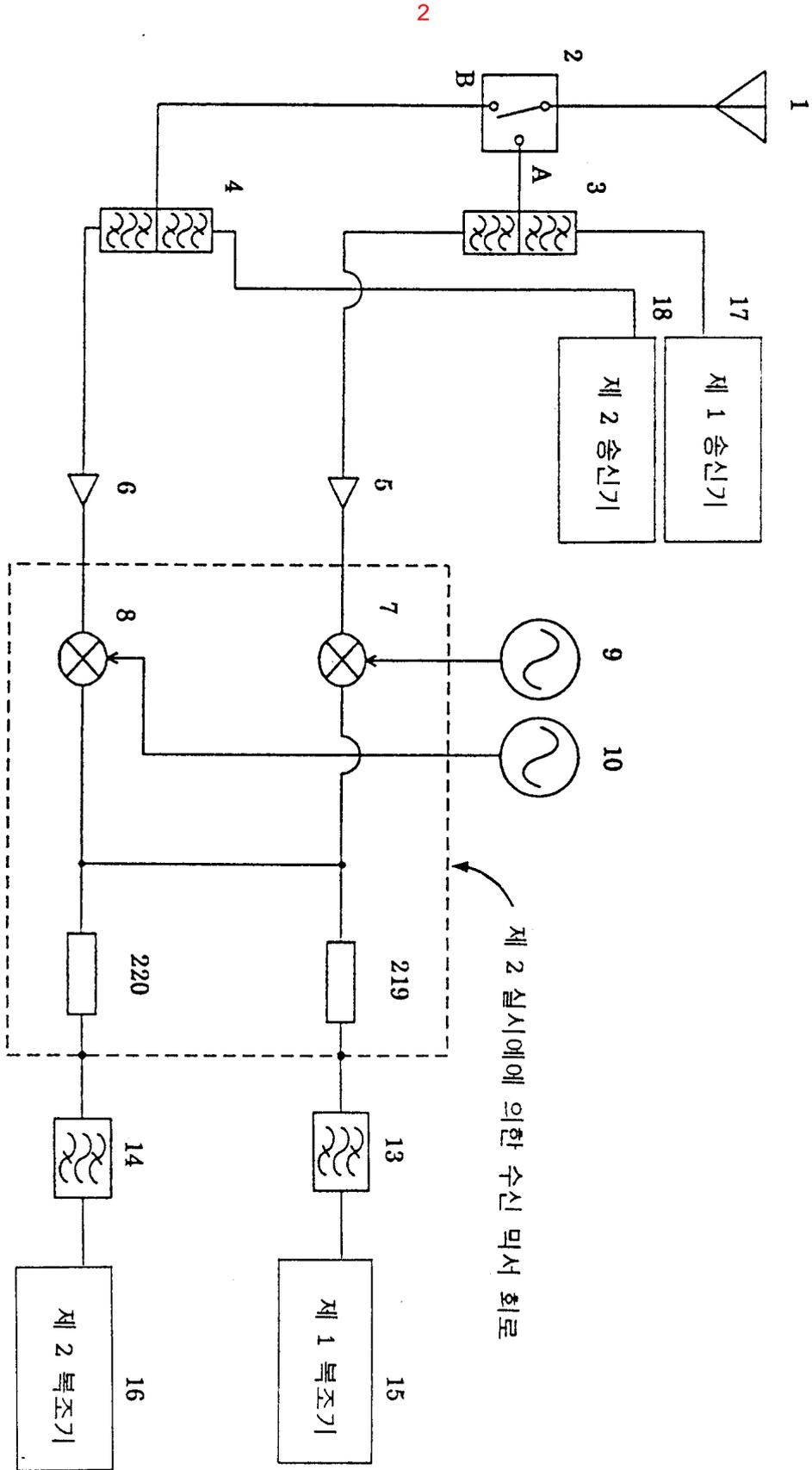
11.

()
7 ;

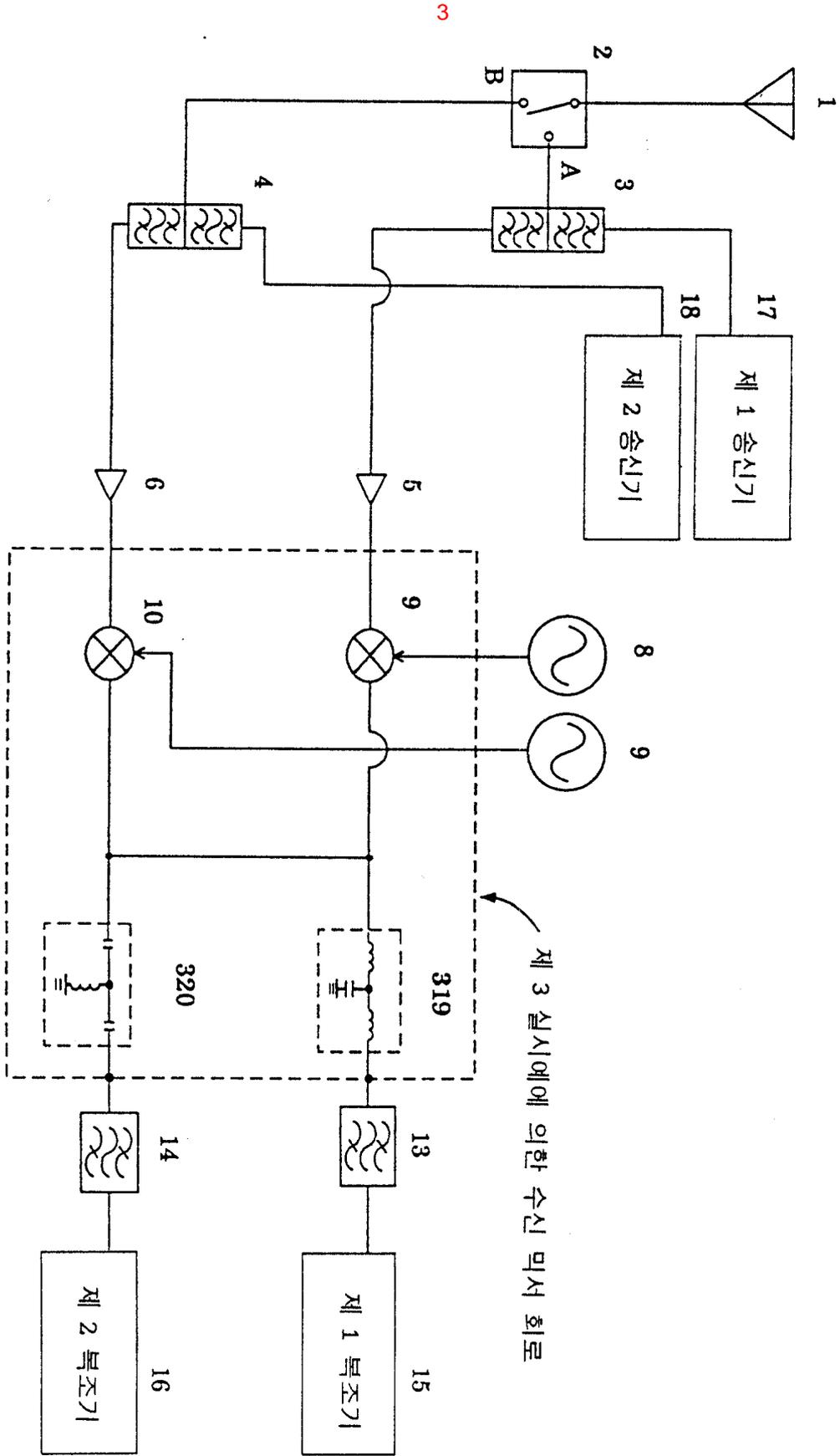
12.

()





2



3

