

0) 1 (2 - 13); 2 (2 - 10) 2 (2 - 9) 2 (2 - 1)
(2 - 11); .

2

;

1a 1b 가

1c

2

3 4 .

 $\wedge$

1 - 1: 1 - 2 : 1 - 3: 가 1 - 4:

1 - 5 : 1 - 6 : 1 - 7 : 1 - 8 : 1 - 9 :

1 - 10: 1 - 11:

2-1: 2-2: 1 2-3: 2-4: 2-8:

2 - 9 : 2 2 - 10: 2 2 - 11 :

2 - 12 : 2 - 13 : 1

가 (Crude - Oil) , 가 , 가
(1 - 3) + 가 1a 가
(CO+H₂) , 1~2% (1 - 1) (1 - 2) 가
(1 - 4) 40kg/cm³G (1 - 3)
가 (Quench Tower) (1 - 5) (1 - 6) , 가
(1 - 7) (1 - 9) (1 - 10) (1 - 11)
가

180~250 20 30~80 1 400 20 195~205 2 ; 2 ; 1 ; 1 ; 2 ; 2 ; 2 ; 2 ; 2 ; 3 4 가 (2-1) 1 (2-2) (2-1) 30~80 (mesh) , 1 (2-2) (2-3) (2-4) (2-8) (2-4) (2-8) 가 가 (2-8) 60 0~800 가 180~250 20 350~450 20 (2-8) 2 (2-9) 195~205 2 (2-13) 1 (2-13) 2 (2-9) (2-12) (2-10)

(2 - 12) 가 2 (2 - 9) (Filler) (2 - 8)
 . , 2 (2 - 10) (2 - 11) 가가
 ,
 ,
 ,
 , 3 (3 - 1) (COD), (BOD) 가 (3 - 2)
 3 , () (3 - 3) (3 - 4) (3 - 5) (3 - 6)
 (3 - 4) 가 , () (3 - 5) , () (3 - 6)
 - 5) , , 가 , 가
 , 2 (3 - 6) , 3 (4 - 1) (4 - 2) (4 - 3)
 1) (4 - 2) (4 - 3) , 가

(57)

1.

30~80 1 ;

180~250 20 , 400 20 ;

195~205 2 ;

2 ;

;

2.

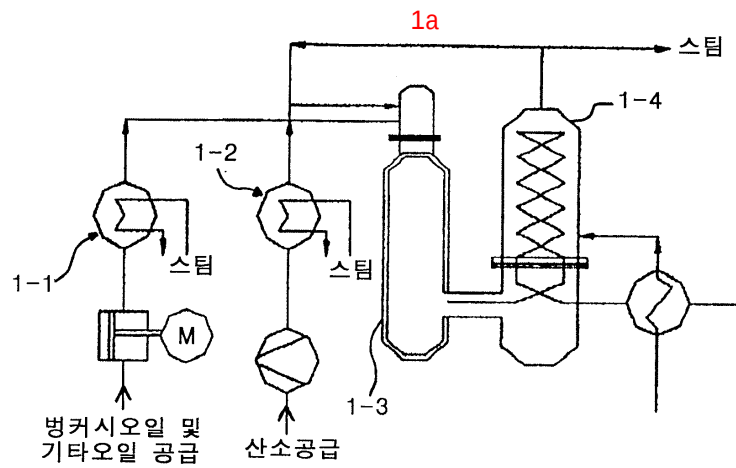
(2 - 1) ; (2 - 1)
 1 (2 - 2) ; 1 (2 - 2)
 (2 - 4) ; (2 - 4)
 (208) ; (208)
 2 (2 - 9) ; 2 (2 - 10) ; 2 (2 - 9) ; 2 (2 - 10)
 1 (2 - 13) ; 2 (2 - 10)
 (2 - 11);

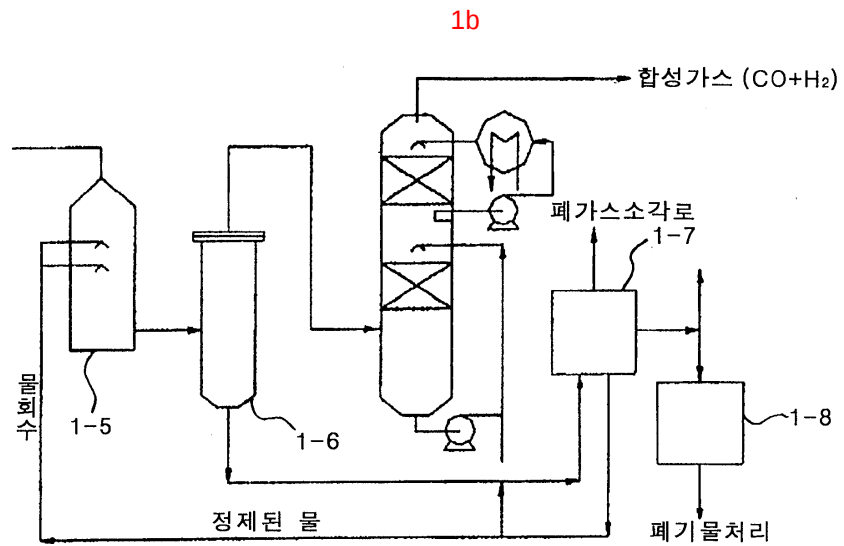
3.

2 ,

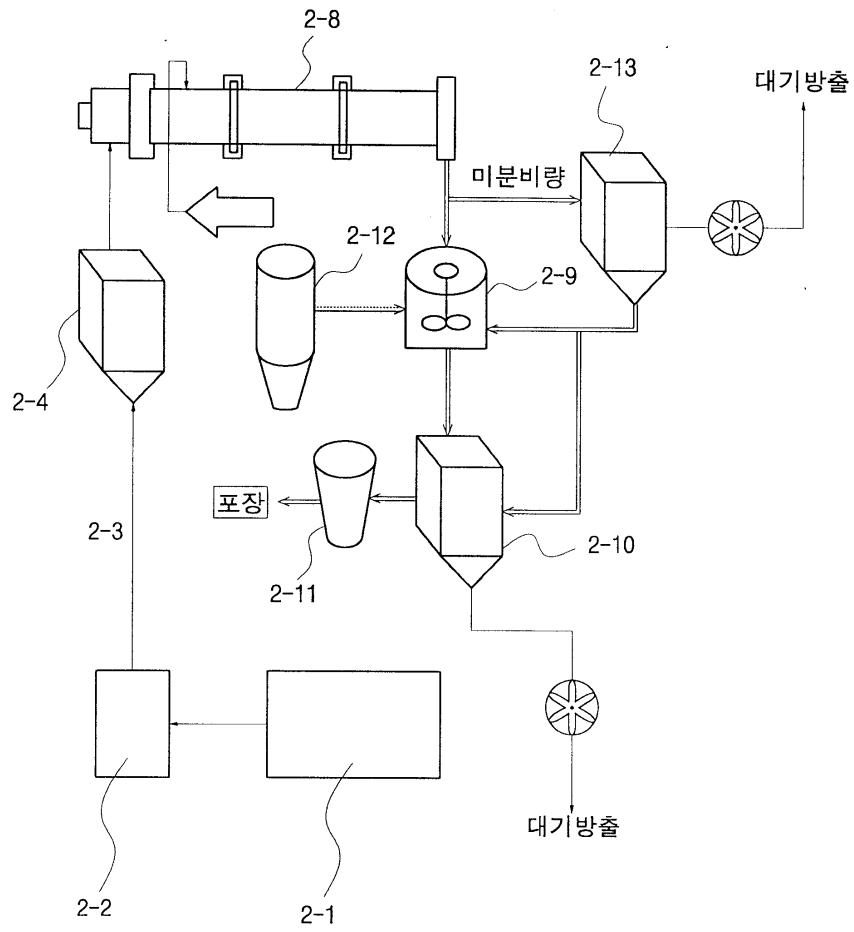
(2 - 8)

2 (2 - 9) (2 - 12)

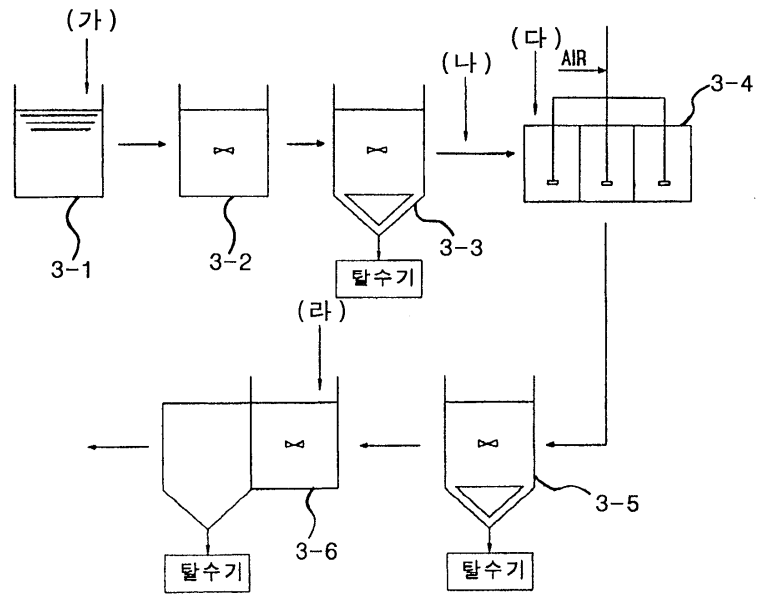




2



3



4

