



(19)
(12)

(KR)
(B1)

(45)
(11)
(24)

2010 04 20
10-0953839
2010 04 13

(51) Int. Cl. (73)

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C25B 1/26 (2006.01) **B01D 47/06** (2006.01) 507

(21) **10-2009-0046821**

(22) **2009 05 28** 100

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(56) (72)

JP15126683 A*

JP55061921 A*

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106 201 1467-1

3 1808

103 102

1479 24/8 2

211-1403

(74)

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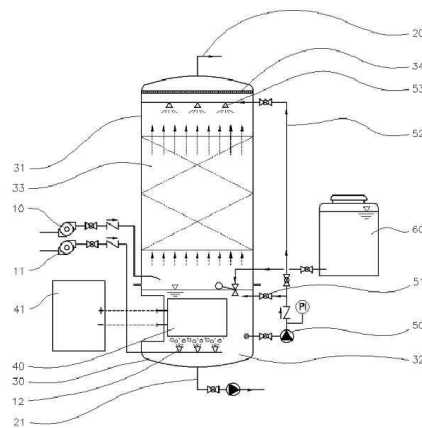
(54)

(57)

(1~7,000ppm)

(Media)

- 1



1

2

3

4

(10) (21) , (32)
 (30); (30) (32) (40);
 (30) , (40)
 (41); (11) (40)
 (12); (30) , (20) (31);
 (40) (31) (52); (31)
 , (52) (53);
 , (40) (42) ,
 (42) , .

5

(10) (21) , (32)
 (30); (30) (32) (40);
 (30) , (40)
 (41); (11) (40)
 (12); (30) , (20) (31);
 (40) (31) (52); (31)
 , (52) (53);
 , (40) U
 (42) , U (44) ,
 (44) (42) U (45) , U
 (45) (46) (47) ,
 .

[0001]

,
 , (1~7,000ppm)
 - .

[0002]

, , ,

[0013]

(Odor gas) (10) ,
 (21) , (32) (30); (30)
 (32) (40); (30) ,
 (40) (41); (11) (Air)
 (40) (12); (30)
 , (33) , (20) (31);
 (40) (31) (52); (31)
 , (52) (53);
 (52) (50) (51); (31)
 (31) (31) (34); (30)
 (31) (32) , (30) (32)
 (30) (60); .

[0014]

(40) U (42) , U
 (44) , (44)
 (42) U (45) , U (45)
 (46) (47) . (45) (48)
 , (30) (49)
 .

[0015]

1

[0016]

(33) , , (53)
 .

[0017]

(40) (42) (44)
 (45) (46) (47) (45) (48)
 (41) .

[0018]

(40) (30) 0 (43) ,
 (40) (30) (49) .

[0019]

(42) (40)
 (12) (40) (42) (0
 3) ,
 (41) (42) (HOCl) .
 (51) .

[0020]

(41) fouling ,
 (31) (33)
 ,
 . (30) (31)
 .

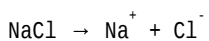
[0021]

(32)
 (60) (32) .
 (S) (30)
 (21) .

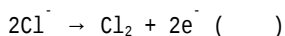
[0022]

(4) .

[0023]



[0024]

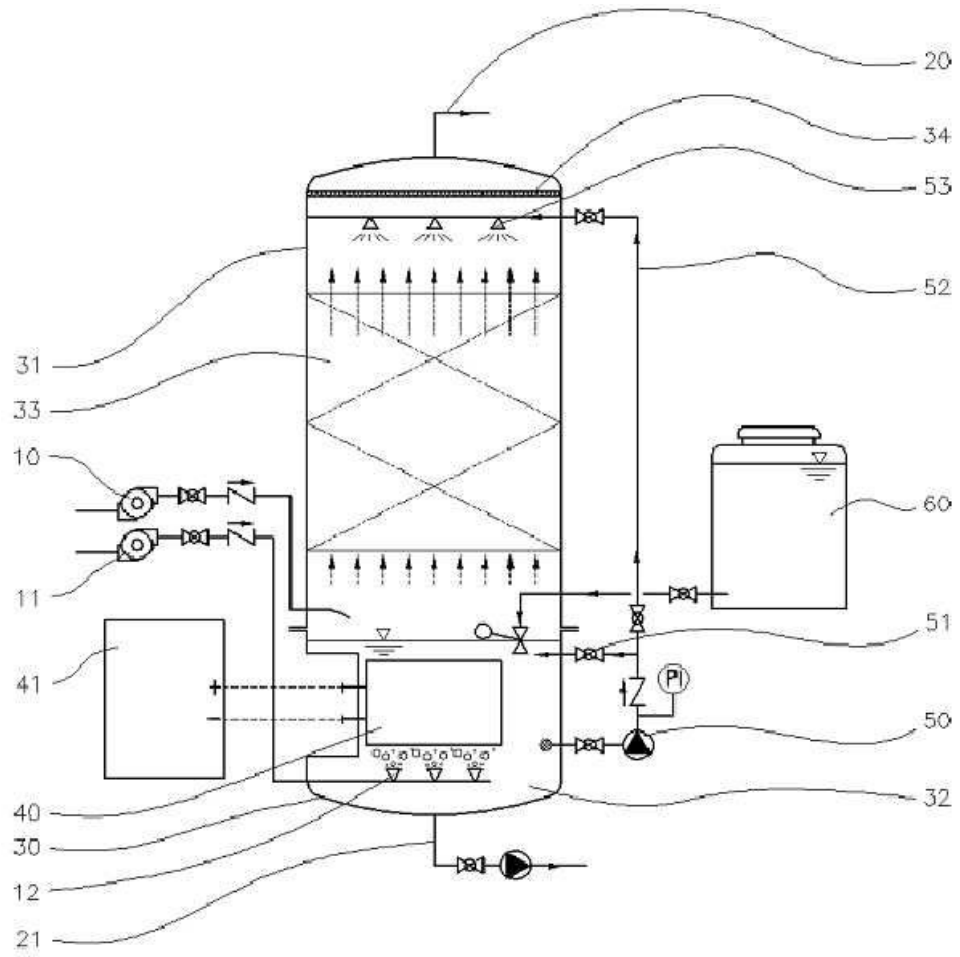


[0025]		Cl_2	H_2O	.
[0026]		$\text{Cl}_2 + \text{H}_2\text{O} \rightarrow \text{HOCl} + \text{H}^+ + \text{Cl}^-$		
[0027]			$\text{HOCl}(\quad)$	.
[0028]		HOCl	$\text{NH}_3(\quad - \quad)$	.
[0029]		$\text{HOCl} + \text{NH}_3 \rightarrow \text{NH}_2\text{Cl} + \text{H}_2\text{O}$		
[0030]		$2\text{HOCl} + \text{NH}_3 \rightarrow \text{NHCl}_2 + 2\text{H}_2\text{O}$		
[0031]		$3\text{HOCl} + \text{NH}_3 \rightarrow \text{NCl}_3 + 3\text{H}_2\text{O}$		
[0032]		$4\text{HOCl} + 2\text{NH}_3 \rightarrow \text{N}_2 + 5\text{H}_2\text{O} + 2\text{Cl}_2$		
[0033]		HOCl	$\text{H}_2\text{S}(\quad - \quad)$	.
[0034]		$\text{HOCl} + \text{H}_2\text{S} \rightarrow \text{H}_2\text{O} + \text{HCl} + \text{S}$		
[0035]			(40)	(30) (32) (40)
[0036]			(30)	$\text{HOCl}(\quad)$
[0037]			(53)	(33)
[0038]	1			
[0039]	2			
[0040]	3			
[0041]	4			
[0042]				
[0043]	10 :		11 :	
[0044]	12 :		20 :	
[0045]	21 :		30 :	
[0046]	31 :		32 :	
[0047]	33 :		34 :	
[0048]	40 :		41 :	
[0049]	42 :		43 : 0	
[0050]	44 :		45 :	
[0051]	46 :		47 :	
[0052]	48 :		49 :	
[0053]	50 :		51 :	
[0054]	52 :		53 :	

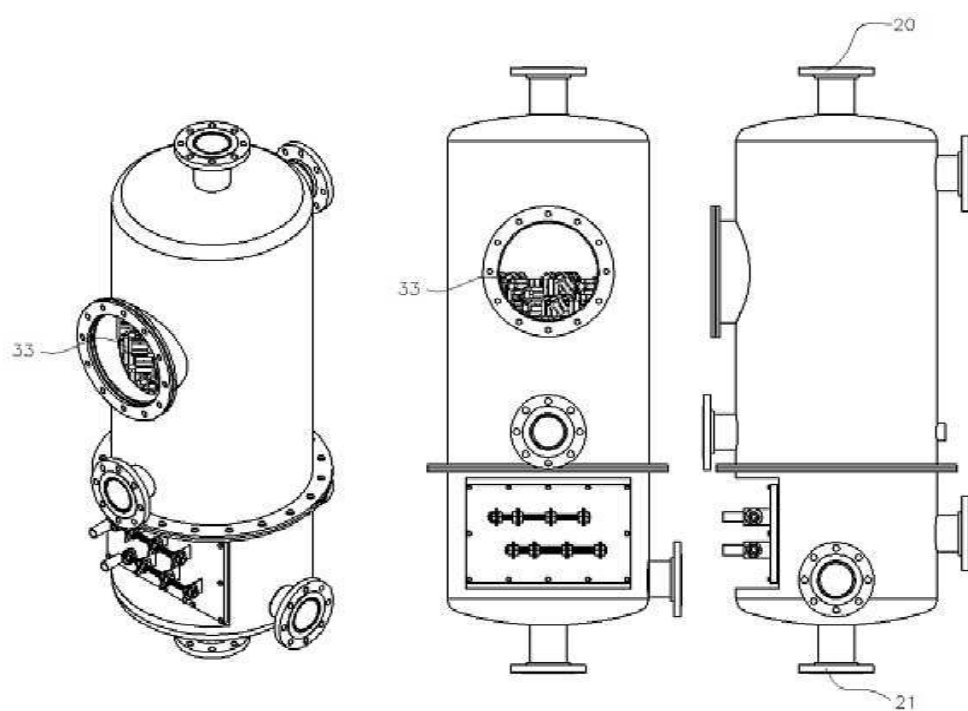
[0055]

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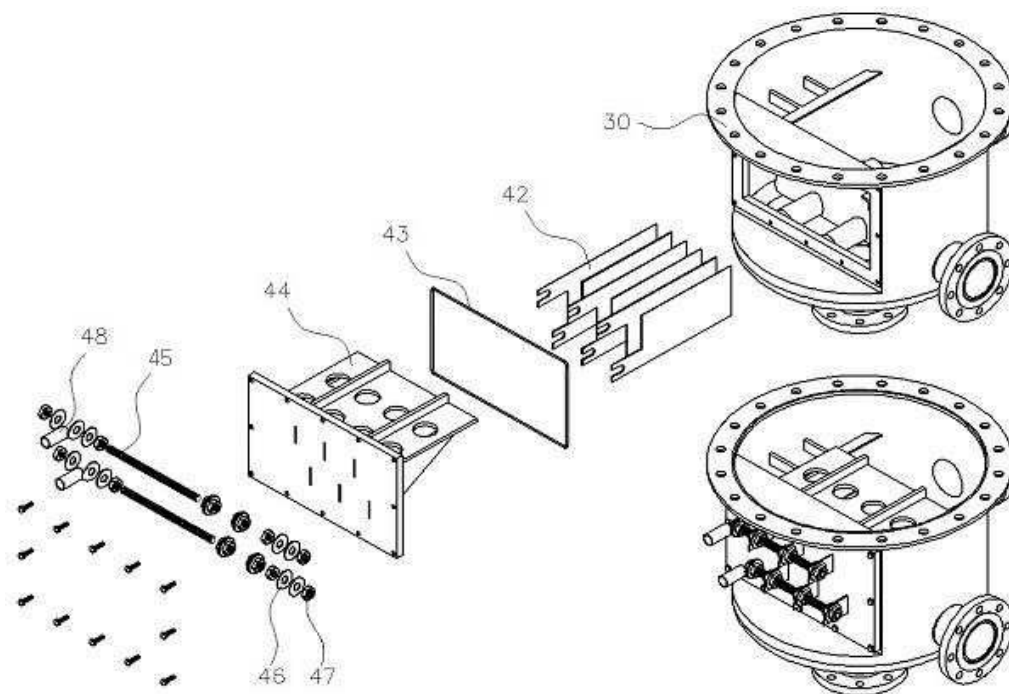
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