

(19)  
(12)

(KR)  
(Y1)

(51) 。 Int. Cl. <sup>7</sup>  
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(45) 2002 07 27  
(11) 20 - 0283634  
(24) 2002 07 16

(21) 20 - 2002 - 0011037  
(22) 2002 04 12

(73)

1 647 - 9

1850

2311

(72)

19 - 4 4 503

1481 404 401

4 788 - 6

2 3 101

6 1423 1002

607 - 1 101 501

1698 - 1 104 1302

102 2001

815

(74)

:

가 :

(54)

, 가 8m , 가 12m 가 , .

, 가 1:4 , , 가 1:2 .  
 . S Z .

4

1 가 .

2 .

3 .

4 5 1 .

6 .

7 가 .

8 9 1 .

10 11 2 .

12 가 .

13 2 .

14 15 2 .

16 2 .

< <

10, 10A, 10B, 10C, 10D, 10E, 10F, 10G :

11 : 12 :

13 : 14 :

15a, 15b : 16, 17 :

18 : 19 :

20 : 21 : (depth)

22 : 23, 23a, 23b : (rib)

24 : 25 :

30 : 31 :

32 : 33 :

34 : 35 :

가 , 가 8m 가 , 가 가 12m

, , .  
, , , .  
, , , .

( ) 50mm, 75mm

가



1 (30)가 (31)  
1 , (30) (30) (31)  
(30) (18)

2 3 , (31) (33)  
(30) (18) (35)가  
(20) (10)  
가 , (31)  
가 .

4 5 1 (11) (12) (14)  
가 (13) (21) (22) 가  
1 : 4, (23) (11) 가 1 : 2 가 (22)  
가 600mm  
1219mm 6 (19)  
(24)  
가 (13)  
(15a,15b) (15a,15b) 7  
(19) 가 (24)

(12) (12)  
가 .

S (18) 가 S  
6 S  
가 가 가 8 S  
가 Z

(16) 9 가 가 .

10 11 2 (11), (12), (13)  
(14) 1 가 (10) 1  
(21) (22) 가 1 : 2.5, (23a+23b) (11) 가 1 :  
2 가 (22) 1 가 600mm  
1219mm (13)  
(15a, 15b)가 ,  
(19) (24) (12) 1 (21)  
(12) (20) 2 .

(11) 1 S (18)  
 2 S (17) 1  
 (25)  
 (16)가 1 (17)  
 (20) 4 . (

13 S (18) S (17) 가 가  
 Z 가 .

14 15 3 (11), (12), (13)  
 (14) 1 가 (10) (22) 1  
 2 가 600mm (21)  
 가 1219mm  
 (21) (22) 가 1 : 2, (23a+23b) (11) 가 1 : 2 가 가  
 (13) (12) 10 11 2  
 가 (11) 가 .

(25) 2 가 S (18)  
 18 Z 가 S 가 3 가 가  
 (16) 4 (16)  
 (11)

가 가 8m 가 가 12m 가 ,  
 가 가 .

가 가 가 .

(57)

1.

(11), (12), (13), (15a,15b)

(12) ,

(11) (12) .

2.

1 (11) (12) (18) (25)

3.

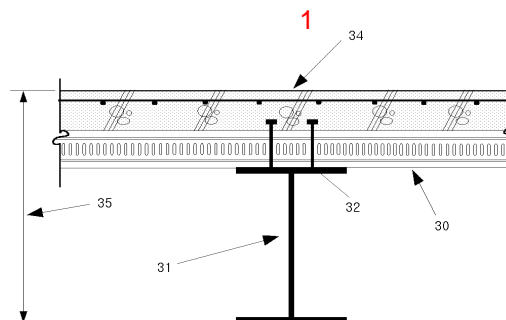
1 2 , (15a,15b)

4.

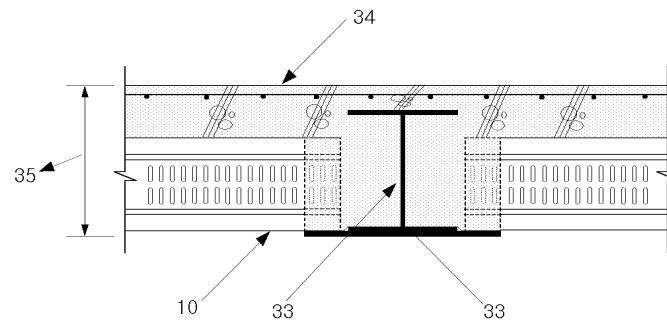
1 2 (11) (12)

5.

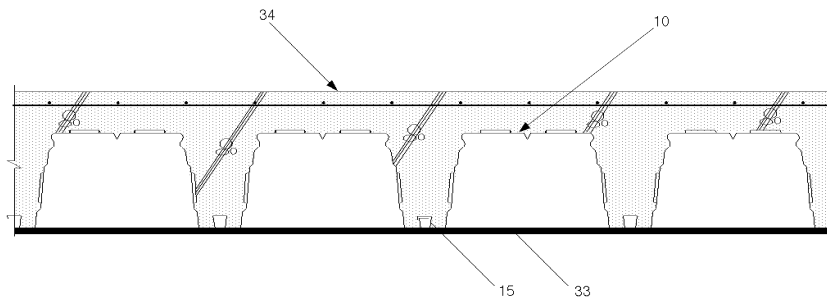
1 2 (11) (16)



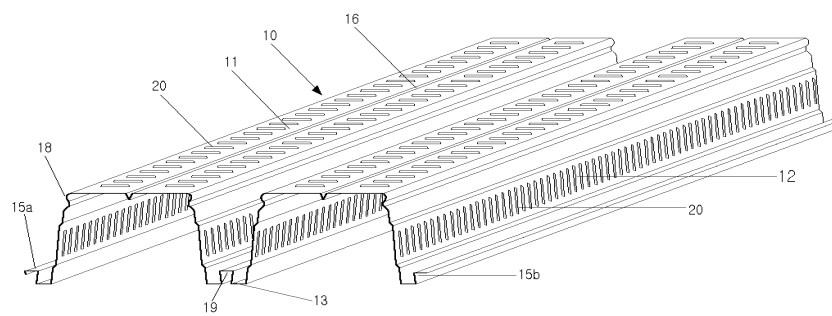
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3

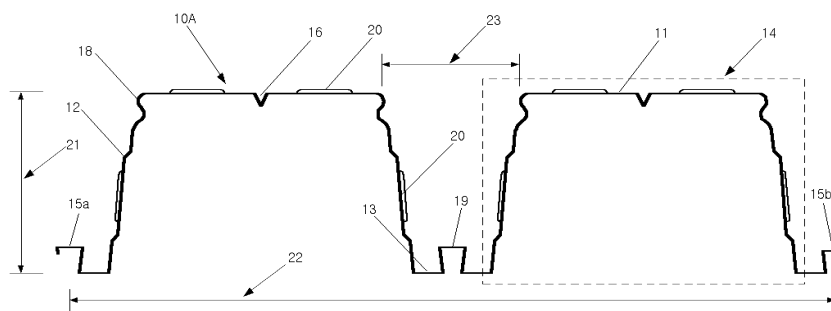


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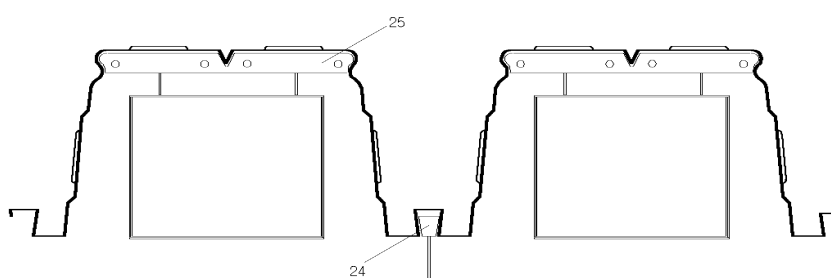




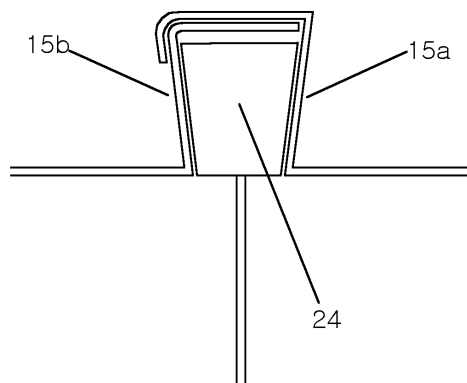
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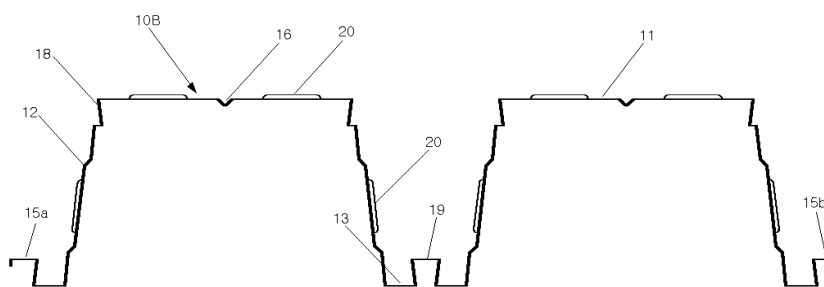
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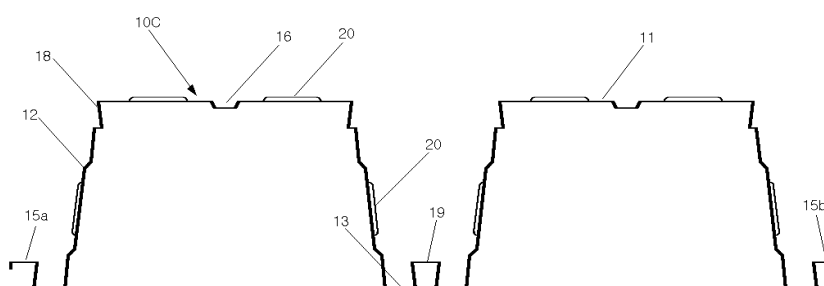
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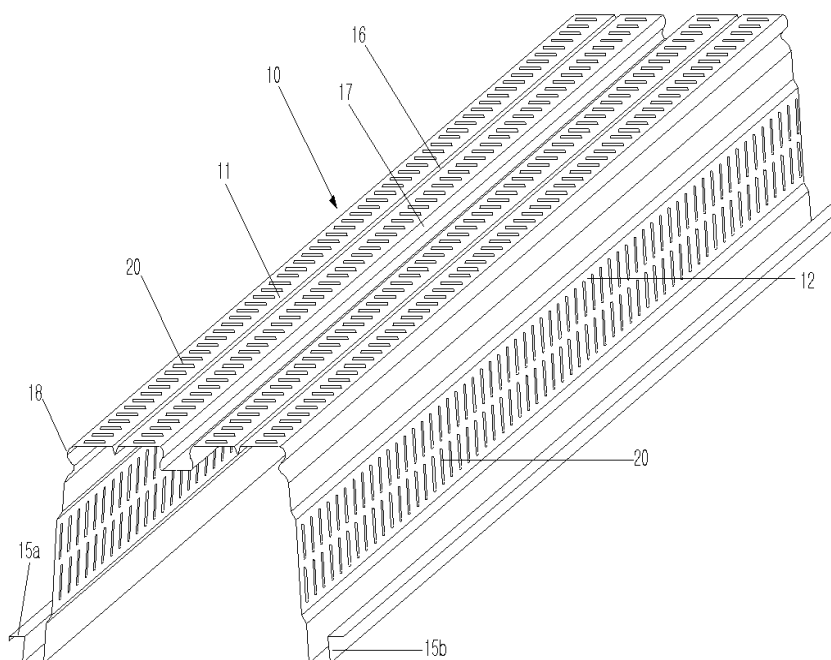
8



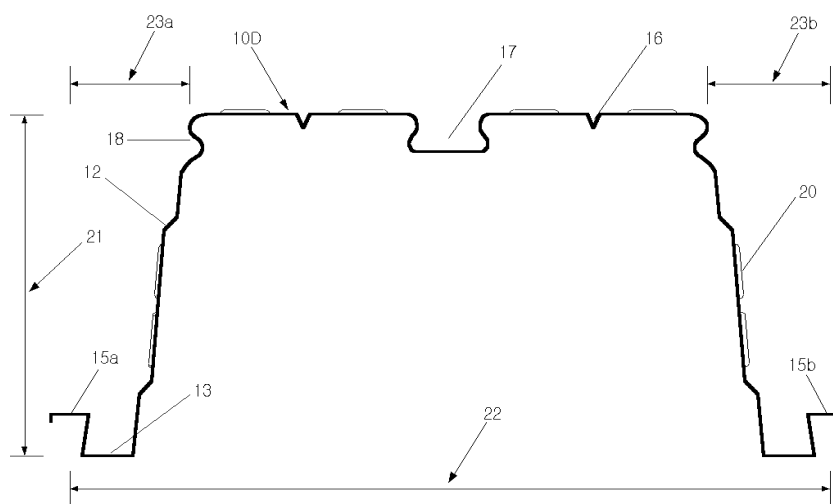
9



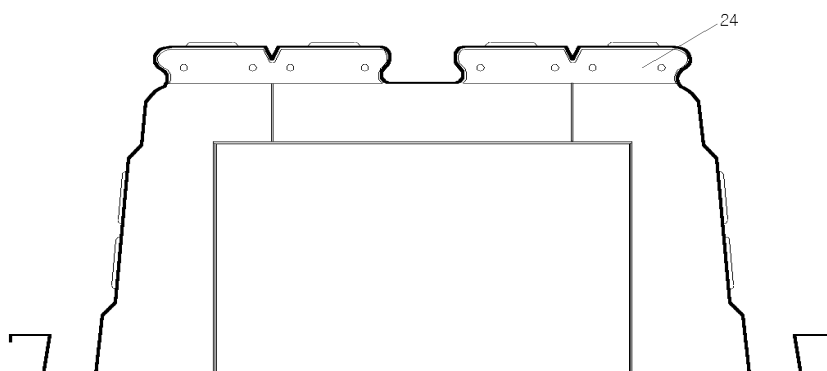
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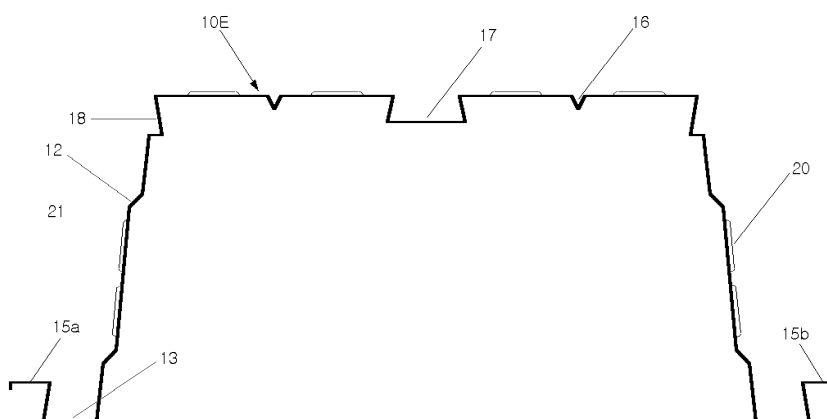
11



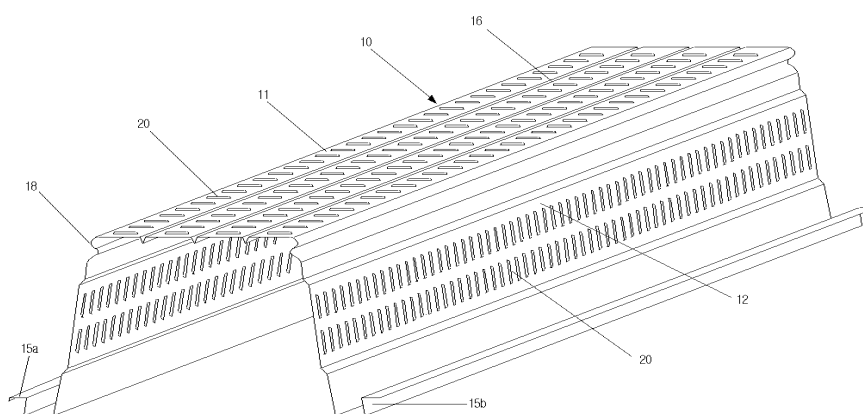
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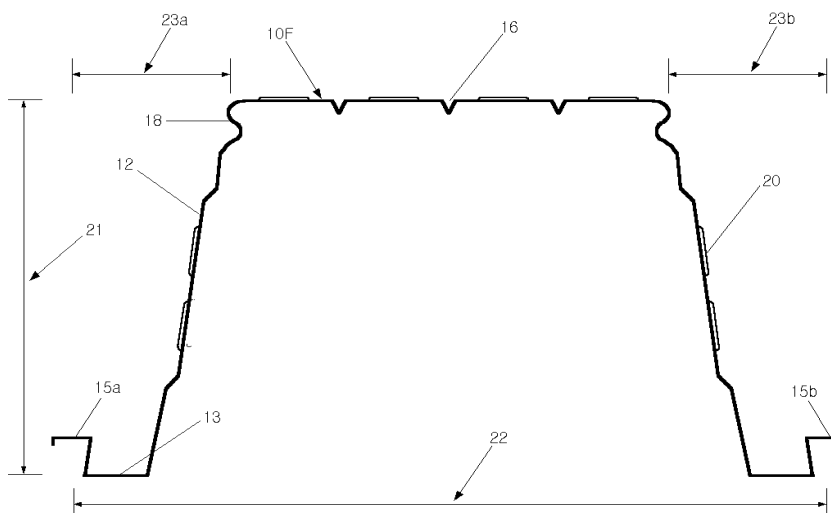
13



14



15



16

