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(12) (B1)

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E02D 17/18  
E02D 29/02

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(11)  
(24)

2004 11 05  
10-0454740  
2004 10 19

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(22) 2002 01 16

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(43)

10-2003-0062148  
2003 07 23

(73) 632-2

(72) 330-21

(74)  
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(54)

가 가 (11)  
(S1) , (1) , 가 (1a) (1) (S2) ,  
(2) (11a) (1a) (2) (S3) ,  
(2) (2) (11) (3) (S4) ,  
(4) (3) (4) (S2)(S3)(S4)(S5) (3)  
(S6) , (4) (2) (11) (S7)  
S4 가 (7) (2) (1a) (8) (S8) ,  
(3) (7)가 (2) (3) (8) (4) (S9)  
(S9) (8) (4) (3) (4) (S6)(S7)(S8)(S9) (S10)  
(11) (S11)



1a) (1) (11) (S1) , 가 (1) (1a) (1)

(2) (S2) , (2) (11a) (11) (1)

1) (S3) , (2) (3) (S5) , (4) (S2)(S

(3) (S4) , (2) (2) (S6) , (4) (2) (1a)

3)(S4)(S5) (11) S4 가 (7) (2) (1a)

(8) (S7) , (7)가 (2) (3) (3)

(8) (S8) , (3) (8) (4) (S6)(S7)(S8)(S9)

(4) (S9) (11) (S11) .

(7) (S10) (71) , (1a) (8) (4)

(7) 가 가 .

1a 1k , 2 , 3a 3b

5 , 4

1a 1k , 5

(S1). 가 가 (1)

(1) (1) (2) 가 (1a)

(2) (S2)

(1) (1a) (2) (11) (11a)

(1) (1a) (11) (S3), (4) (11)

(3) (1) (2) (2) (3) (11) (S4), (2) (11)

~4 (3) ( ) , ( ) 3

가 (11) (3) (3) (2)

(2) (2) (4) (41) (41) (42)

(11) (11a) (4)가 (11) (4)

(11) ( ) , ( )

4) (4)가 (11) (4) (3)

(4) (4) (4) (4) 가

(2) (4) (3) (4) (4) 가

(S5). (S2)(S3)(S4)(S5)

(S6), (4) (2) (11)

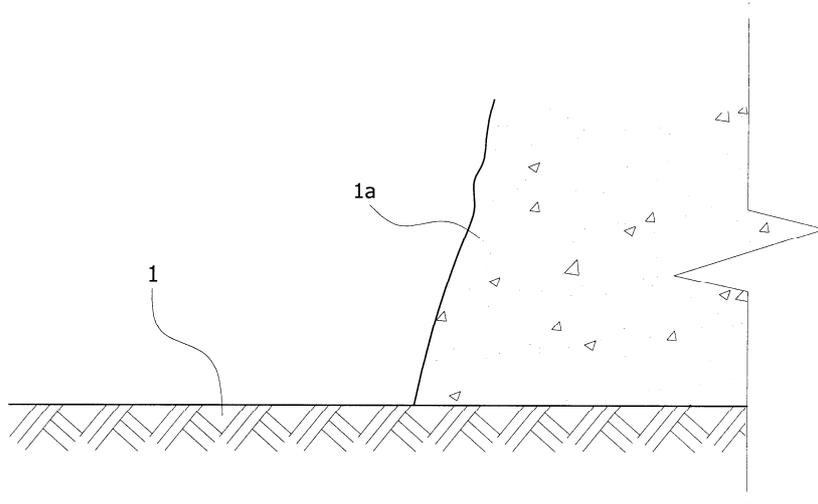
S4 (S7) (7) (7) (1a)

4) (7)가 (2) (3) (8) (S8),  
 (8) (8) (3) (3) (4) (4) (S8),  
 (3) (4) (4) (S6)(S7)(S8)(S9)  
 (S10) ( ) 가 (3)가  
 (11) (S11) 가가  
 가 (11) (11a)  
 PVC , (3) ,  
 (1a) PVC (1) PVC (2)  
 (S7) (11) , 4 (7) S8, S9 S10 (1a) (7)가  
 (8) (4) (7)가 (S11) (2) (2) (2) (3) (S8-1) ,  
 (4) (8) (3) (S6)(S7)(S8-1) (71) (4) (S10-1) (7)가  
 (8) (7) , 5 (7) (8)  
 (71) (7) (71) 가가  
 가 가

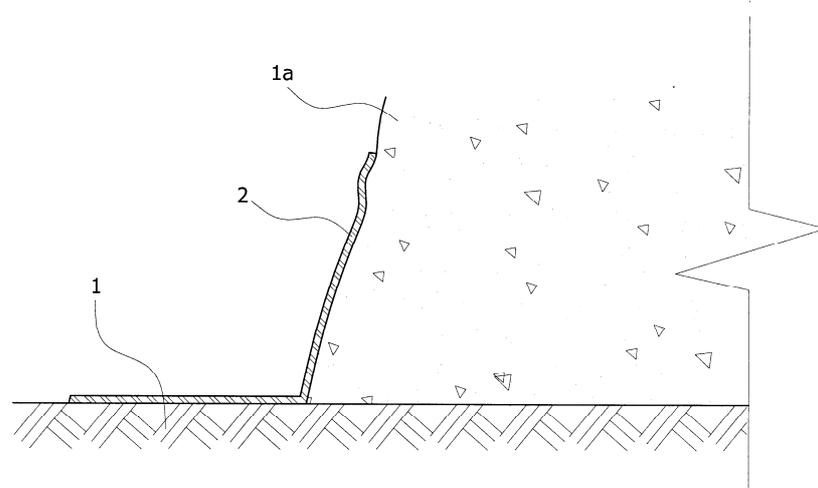
(57)  
 1.  
 가 (1a) (11) (1) (11) (S1) , (1)  
 (1a) (2) (S2) , (2) (11a)  
 (11) (11) (3) (S3) , (2) (2)  
 (3) (S4) , (2) (2)  
 (3) (S4) (3) (4) (S6) ,  
 (4) (S2)(S3)(S4)(S5) (11) S4 가  
 (2) (7) , (7)가 (2)  
 (3) (1a) (8) (S8) , (3) (8) (4)  
 (3) (4) (S9) (11) (S11)  
 (S6)(S7)(S8)(S9) (S10) (11)

2.

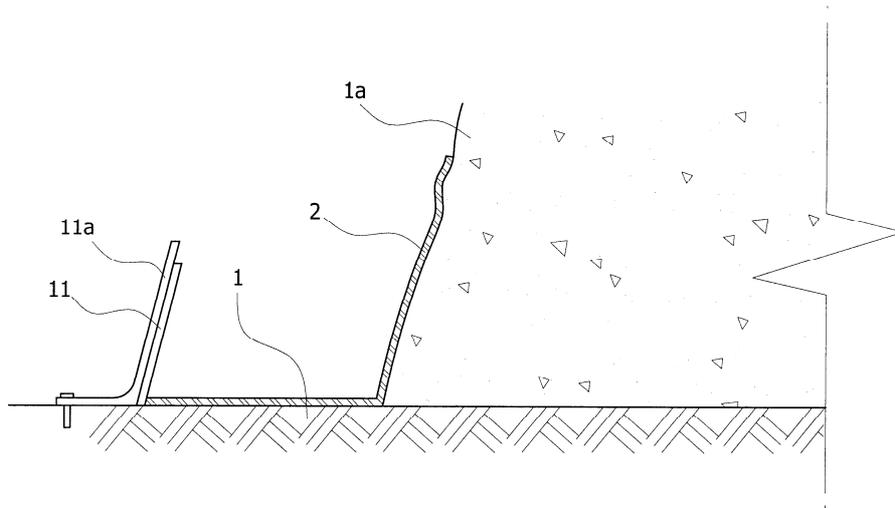
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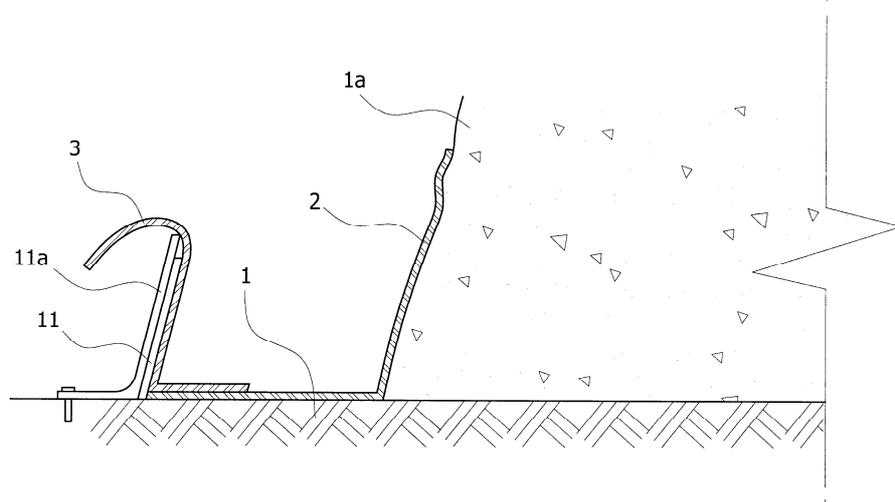
1b



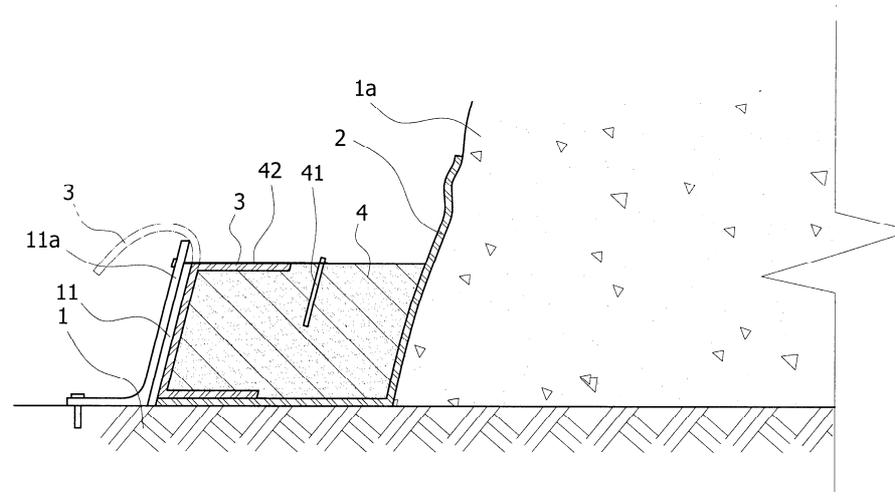
1c



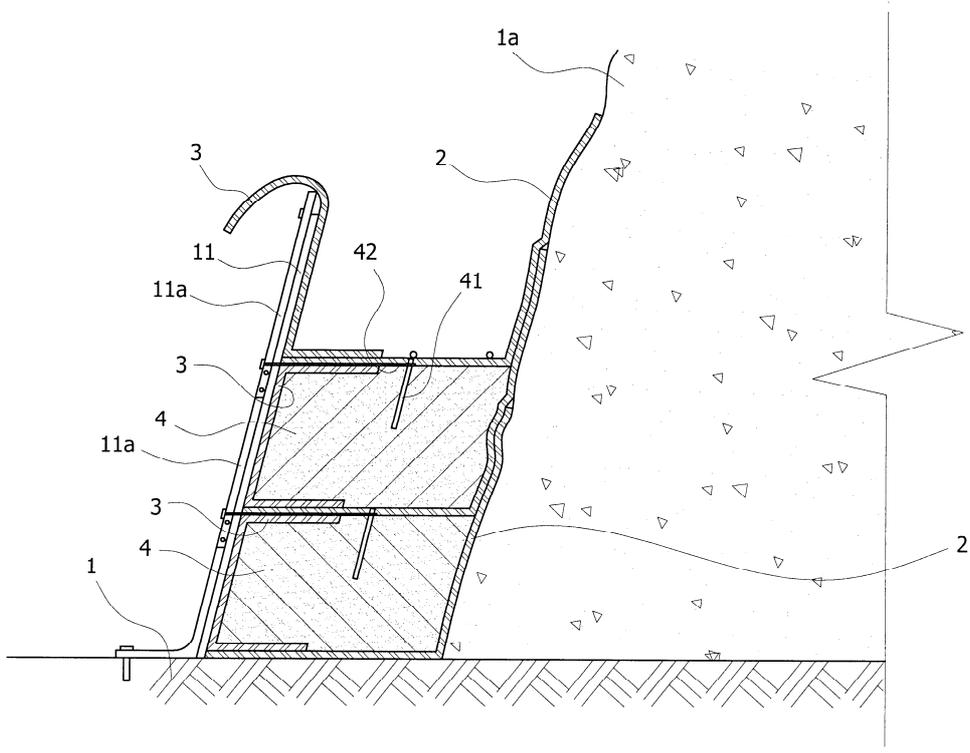
1d



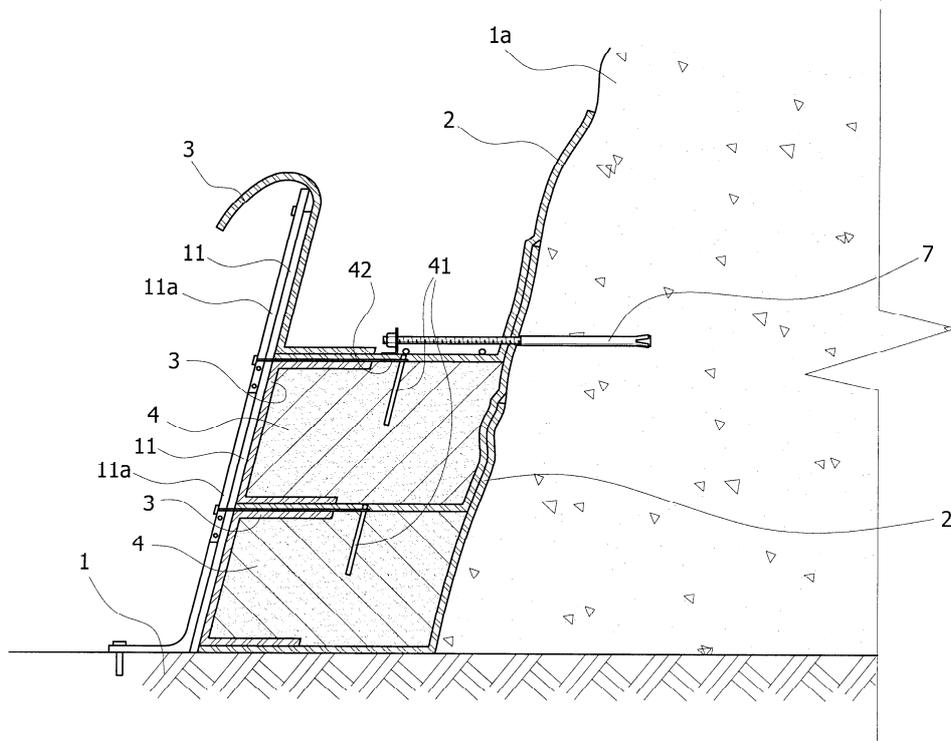
1e



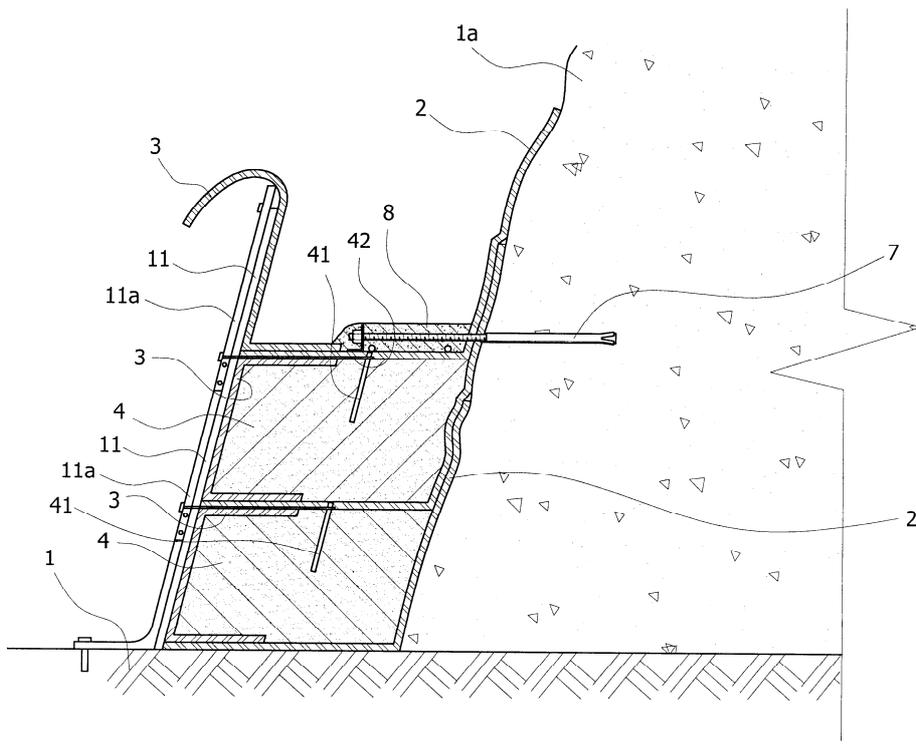
1f



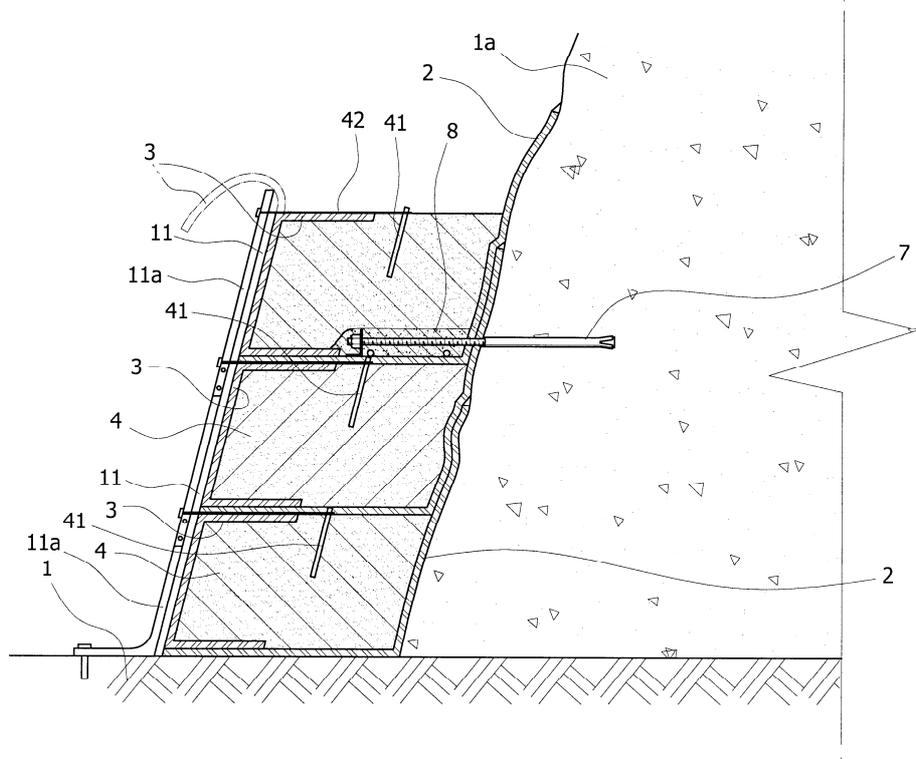
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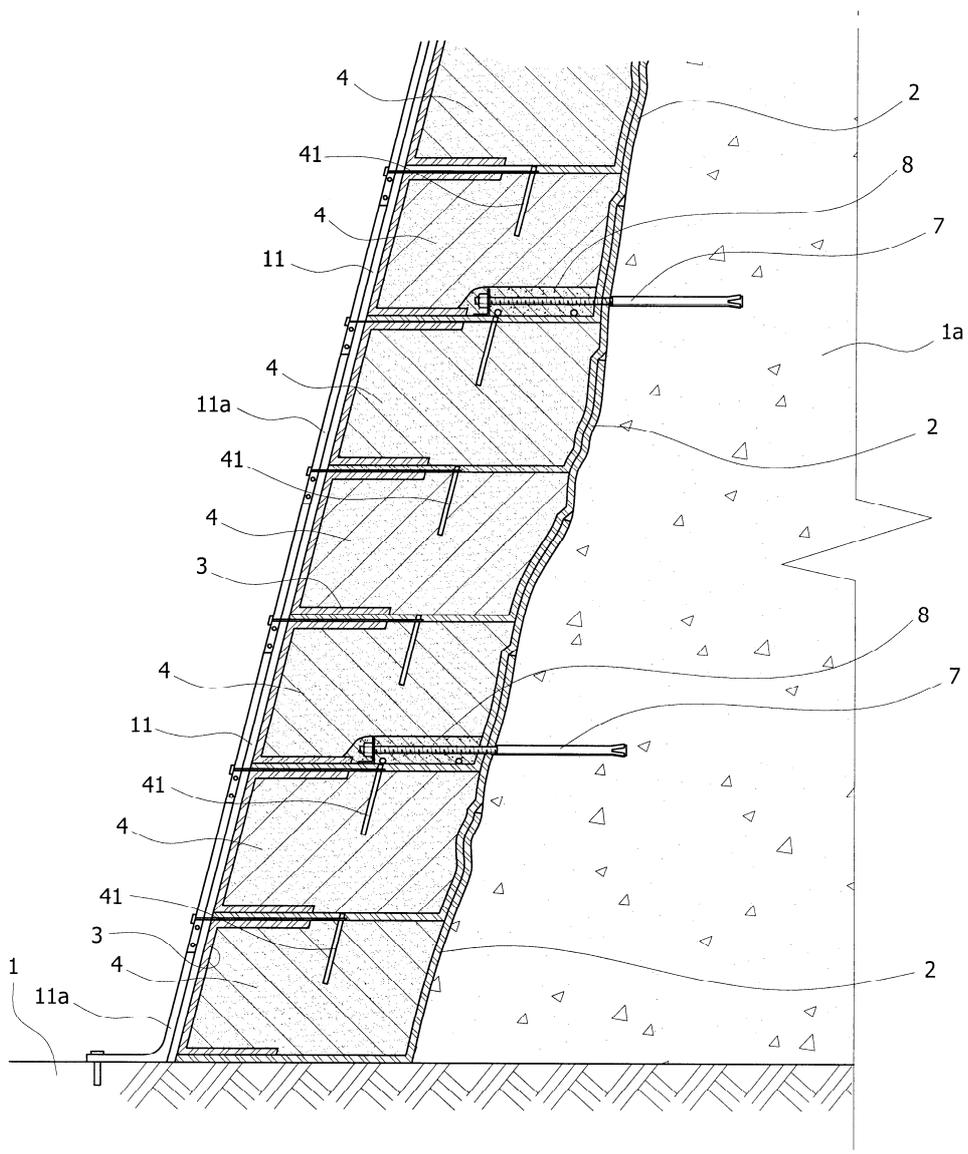
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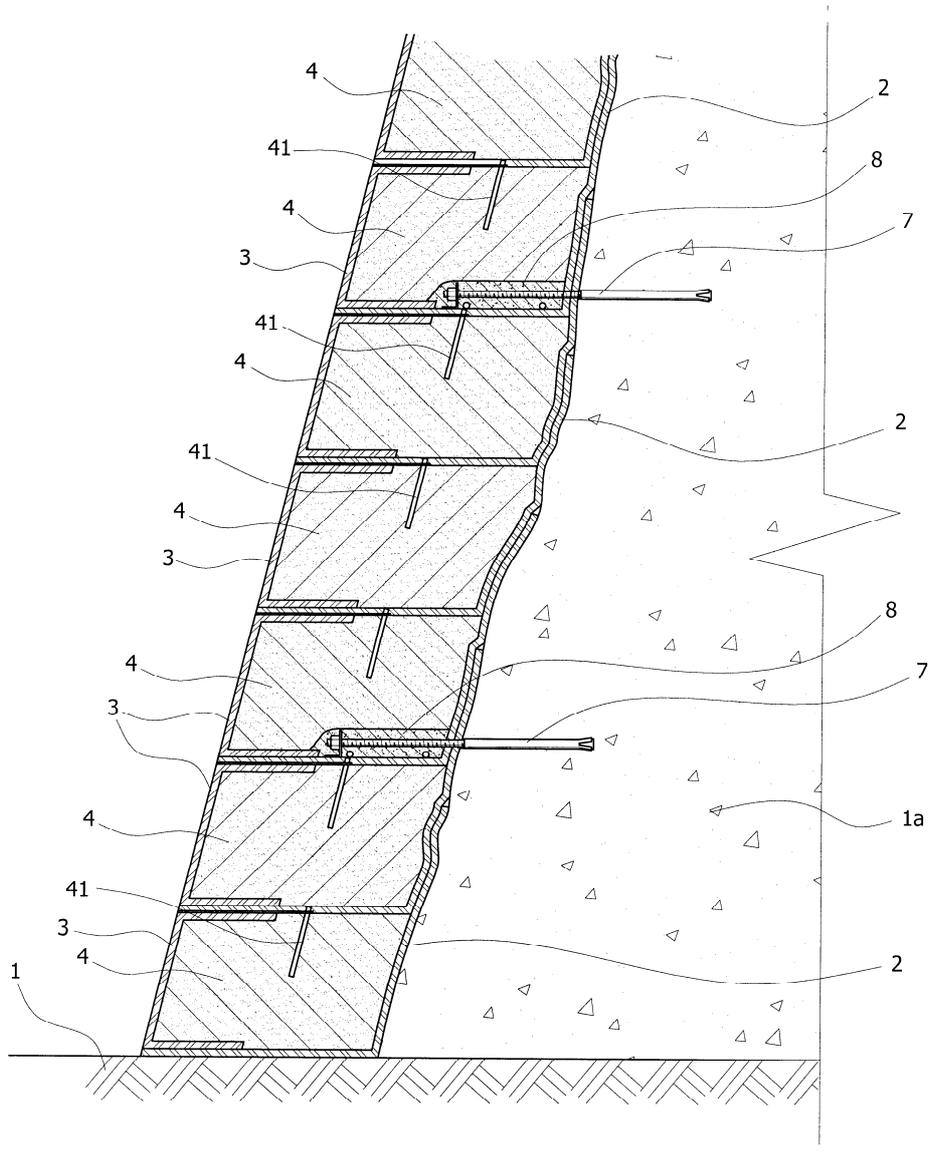
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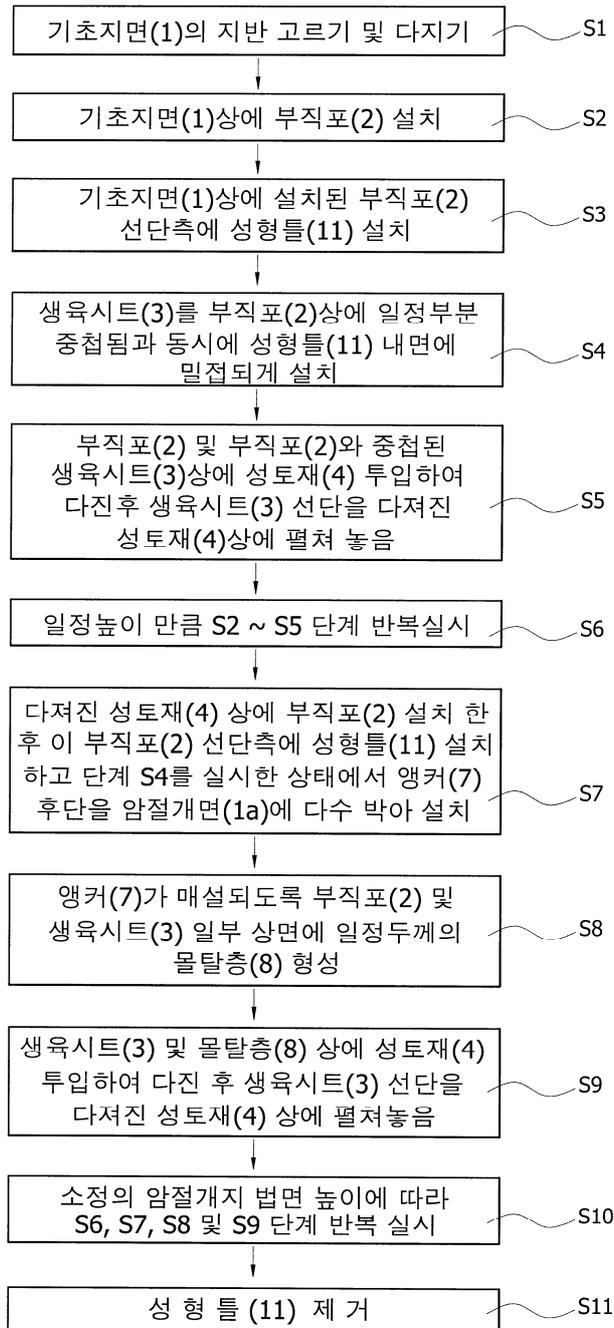
1j



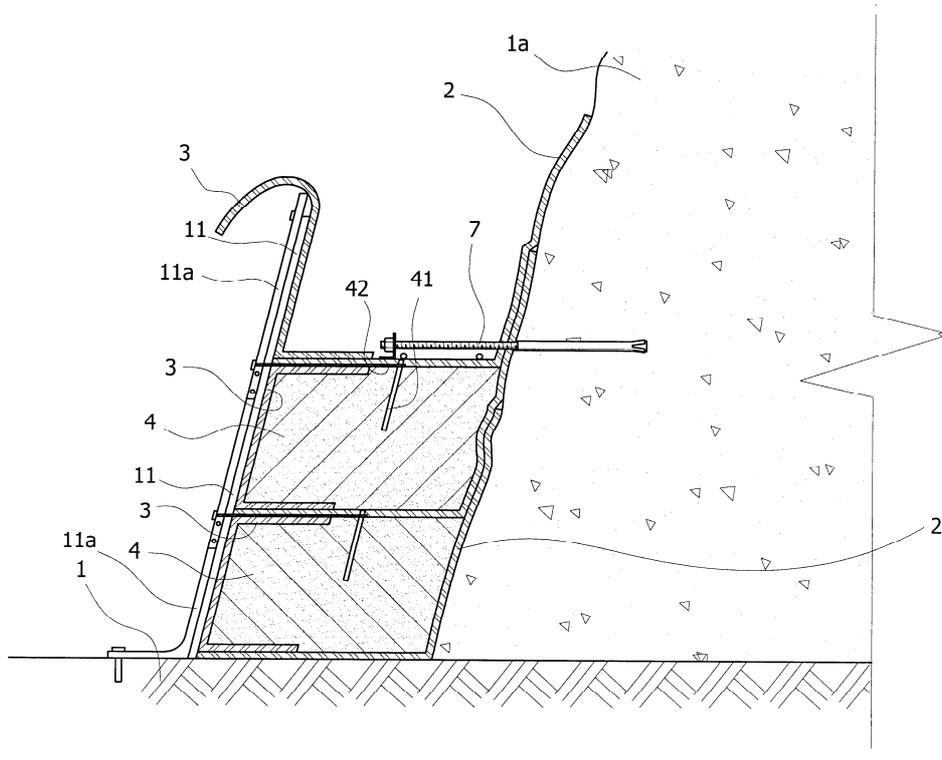
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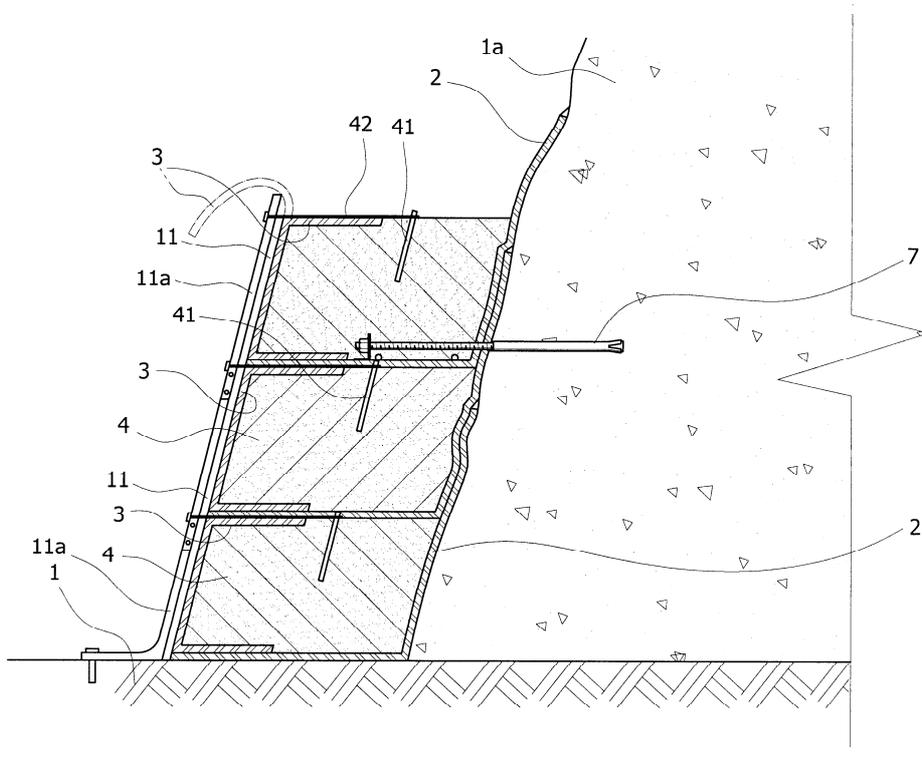
2



3a



3b



4

