

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.7
E02D 29/02
E02D 17/20

(45)
(11)
(24)

2003 08 14
10-0393515
2003 07 22

(21) 10-2001-0016446
(22) 2001 03 29

(65)
(43)

2002-0076531
2002 10 11

(73) 1116 504-801

(72) 1116 504-801

(74)
:

(54)

가 (20) 가 (10) 가 (31) (20)
(30) H (50) H (50) H (50) (3)

3

1
2

3 1
 4 1
 5 2
 6 2
 7 2
 < 30: >
 10: 20:
 31: 33: 40:
 50:H 51: 52:
 60: 70:

H H

가

2000-0073541

가

(1)
(3)

가

(1)

(2)

(1)

(2)

가

(3)

(4)

(3)

(1)가

가

(1)

(2)

(4)

(1)

가

가

H

H

2 9

(10) , 가 (10) 가 (20) (30)

(30) (20) 가 가 (30) (31) (40)

(30) H (50) , 가 (30) H (50)

20) (40) 2가 가 (30) (20) (

(30) 4 , 가 가 (30) (31)

(30) 6 (30) 1 (31) (30) (20) 2~5

(20) 4 , (20) 6 , 가 가 (20) (20)

3 4 1 2 (30) H (50) H

(50) (33) (51) 가 H (50) (33) (30) H (50) H (50)

1 2 (52) 3 4 1 5 6 2 H (50) (51) H (50)

1 (30) (20) (20) , 2

, 7 2

a) , H (50) (60) (30) H (50) (60) H (50)

b) H (50) H (50) (60)

c) (30) (10)

d) (10) (30) (20) (30) (33) (51)

(51) H , (20) (20) (30) (31)
 e) d) (20) (20) c)
 f) (20) (40) (70)
 () 가 ,

가 ,
 , 가 .
 , H H
 , H , 가

(57)

1.

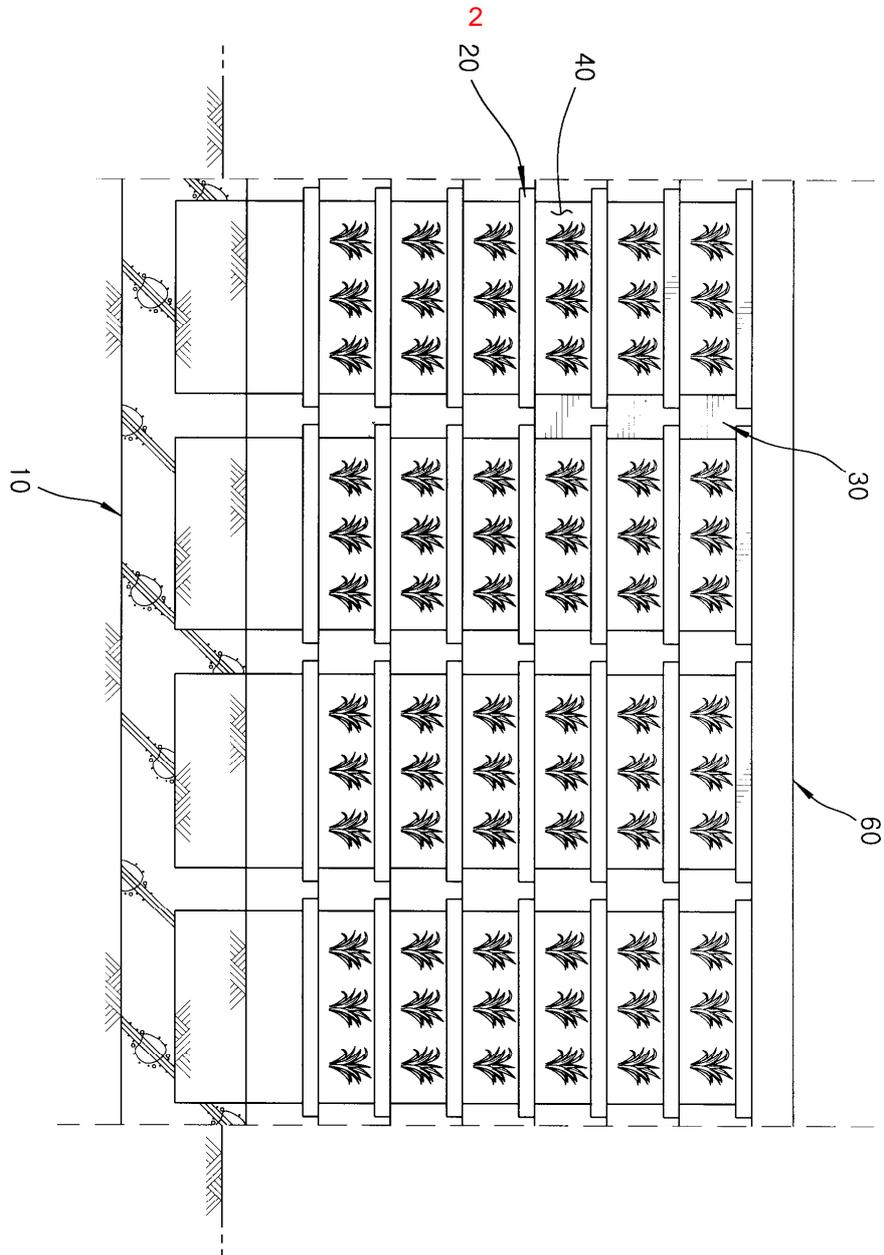
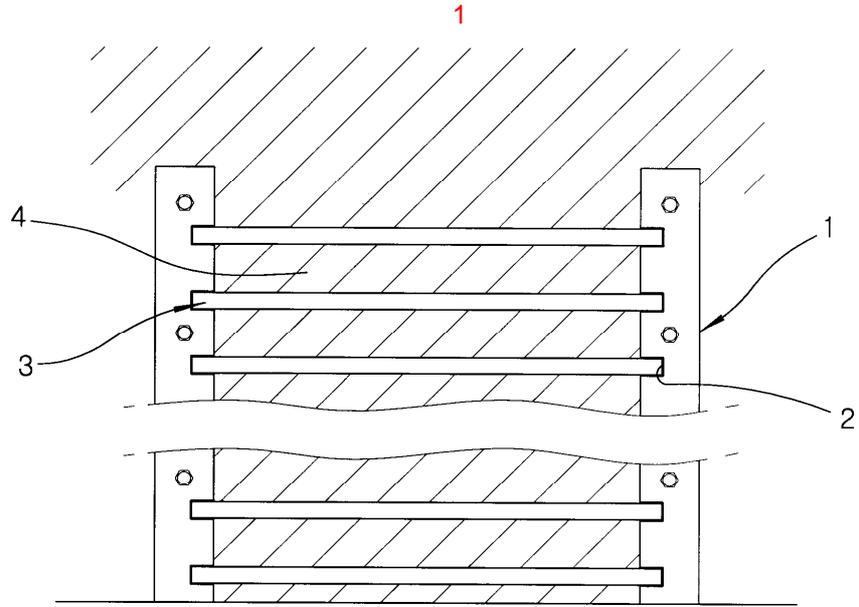
가 (20) (10) 가 (10) 가 1
 (31) (20) (30) 가
 , (30) (20) 가 가
 (20) (30) (31)
 , (30) (40)
 H (50) , (30) 가 H (50)

2.

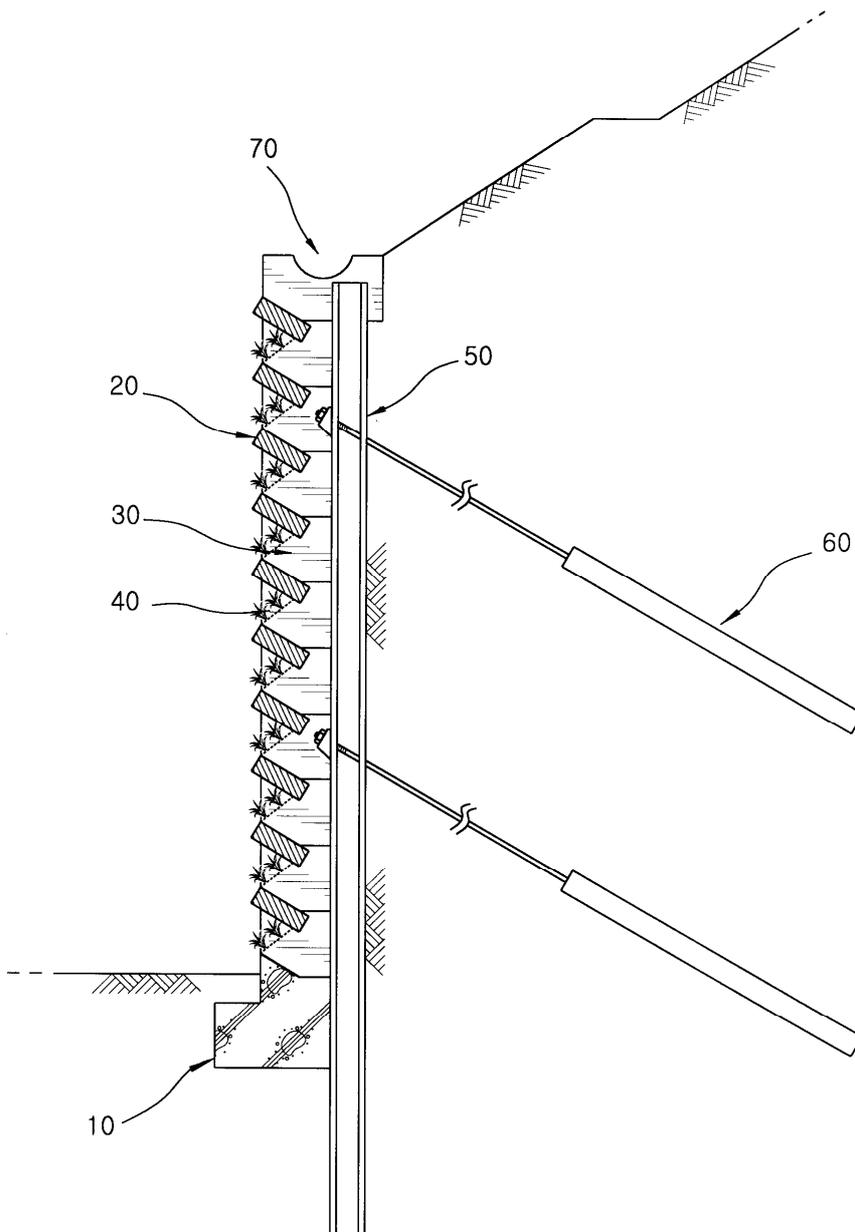
1 , (30) (33) , (33) H (
 50) (51) 가 H (50) (30)

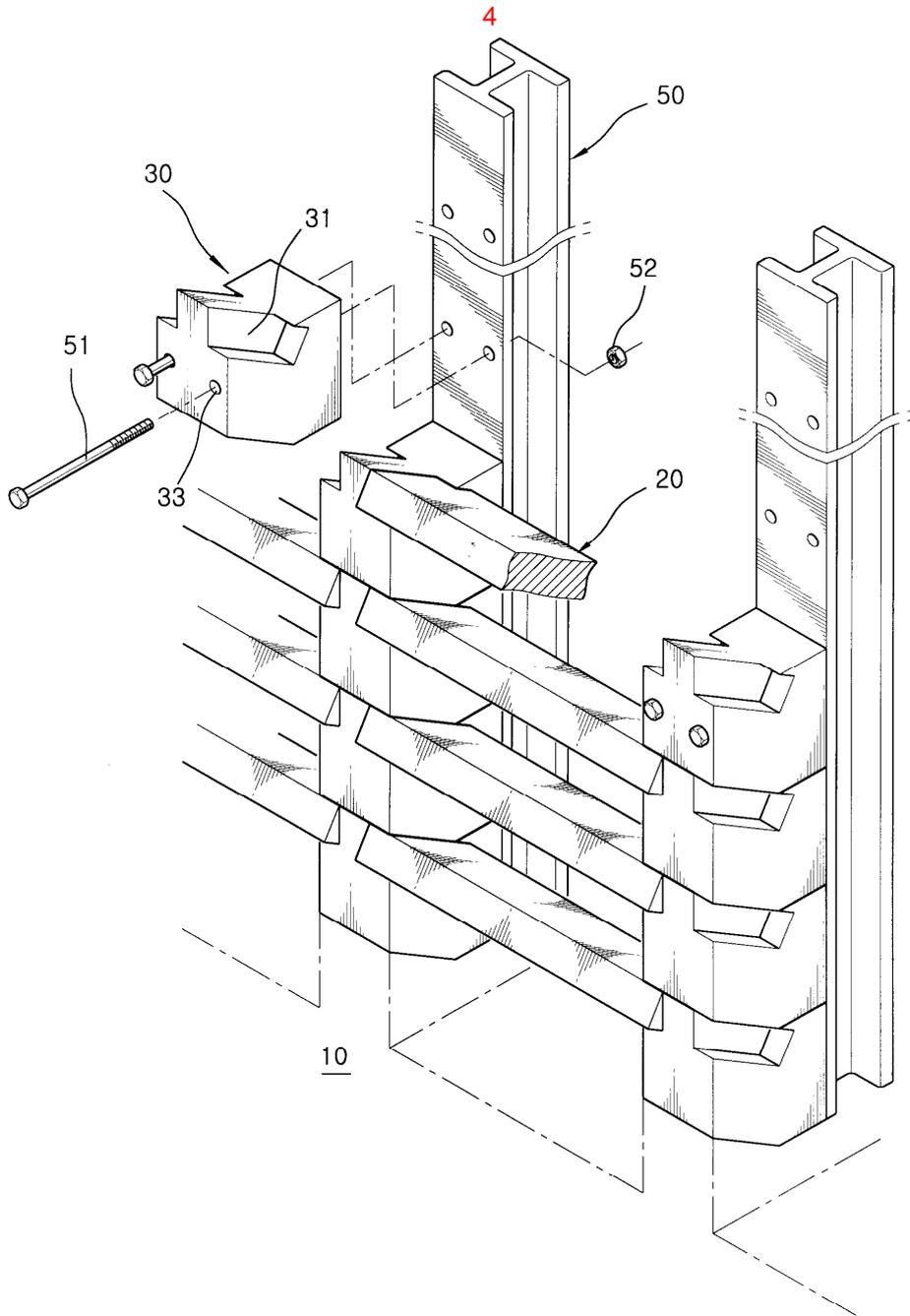
3.

1 , H (50) (60)

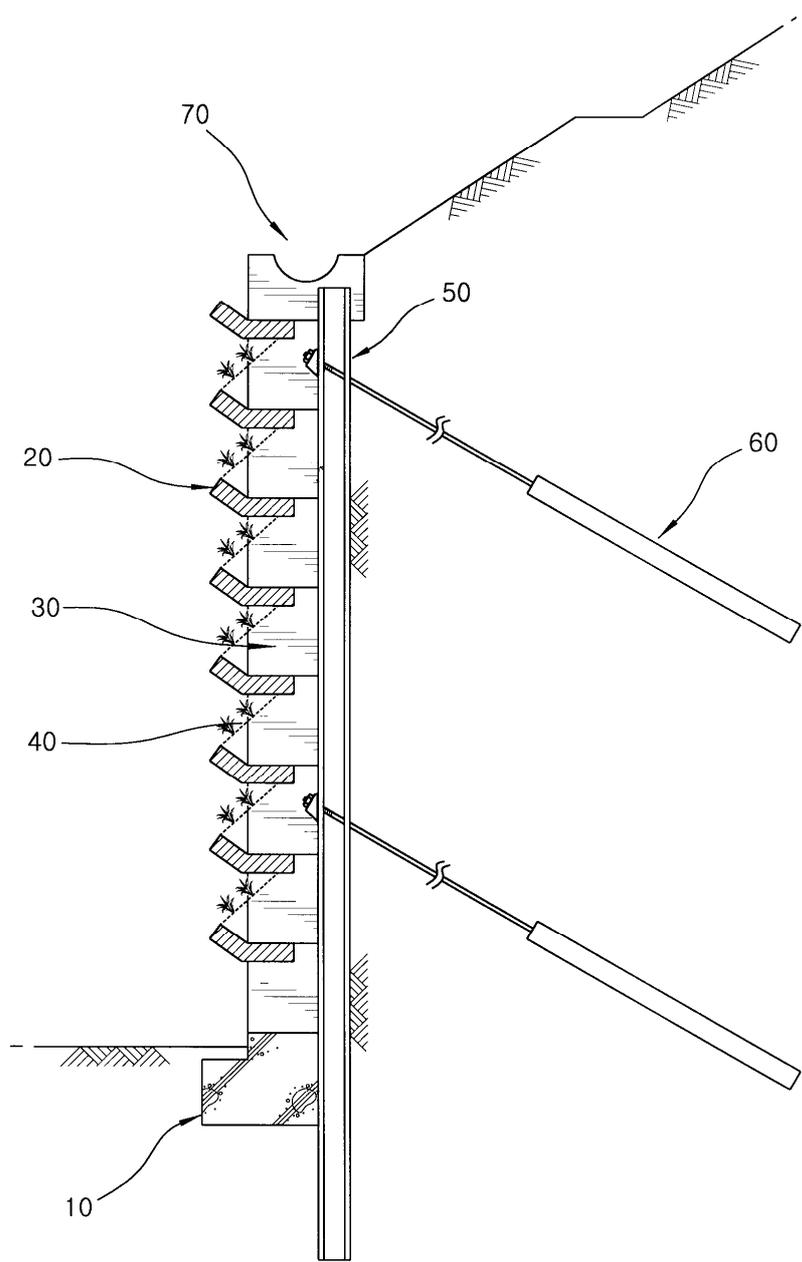


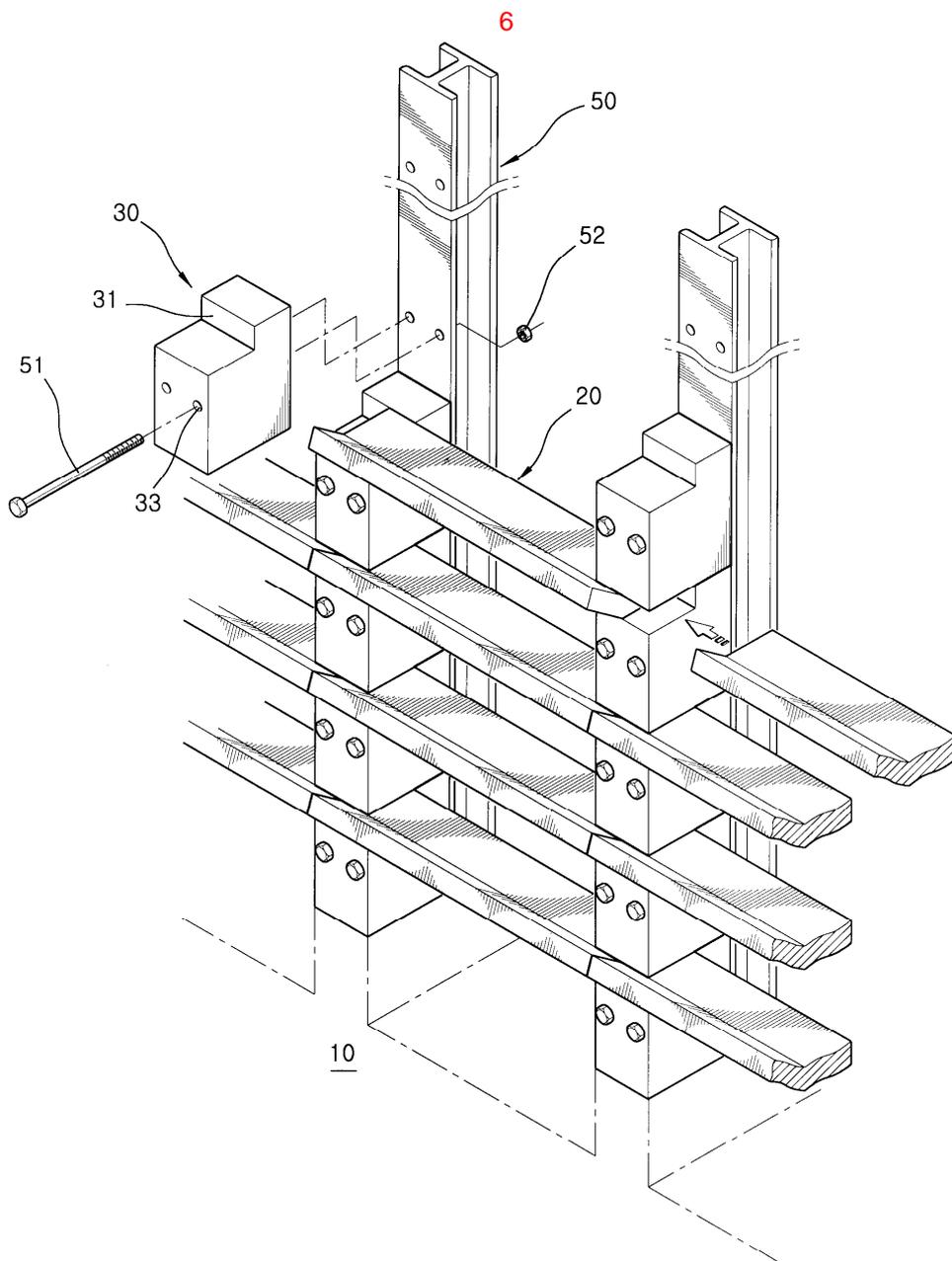
3





5





7

