

FIG. 1

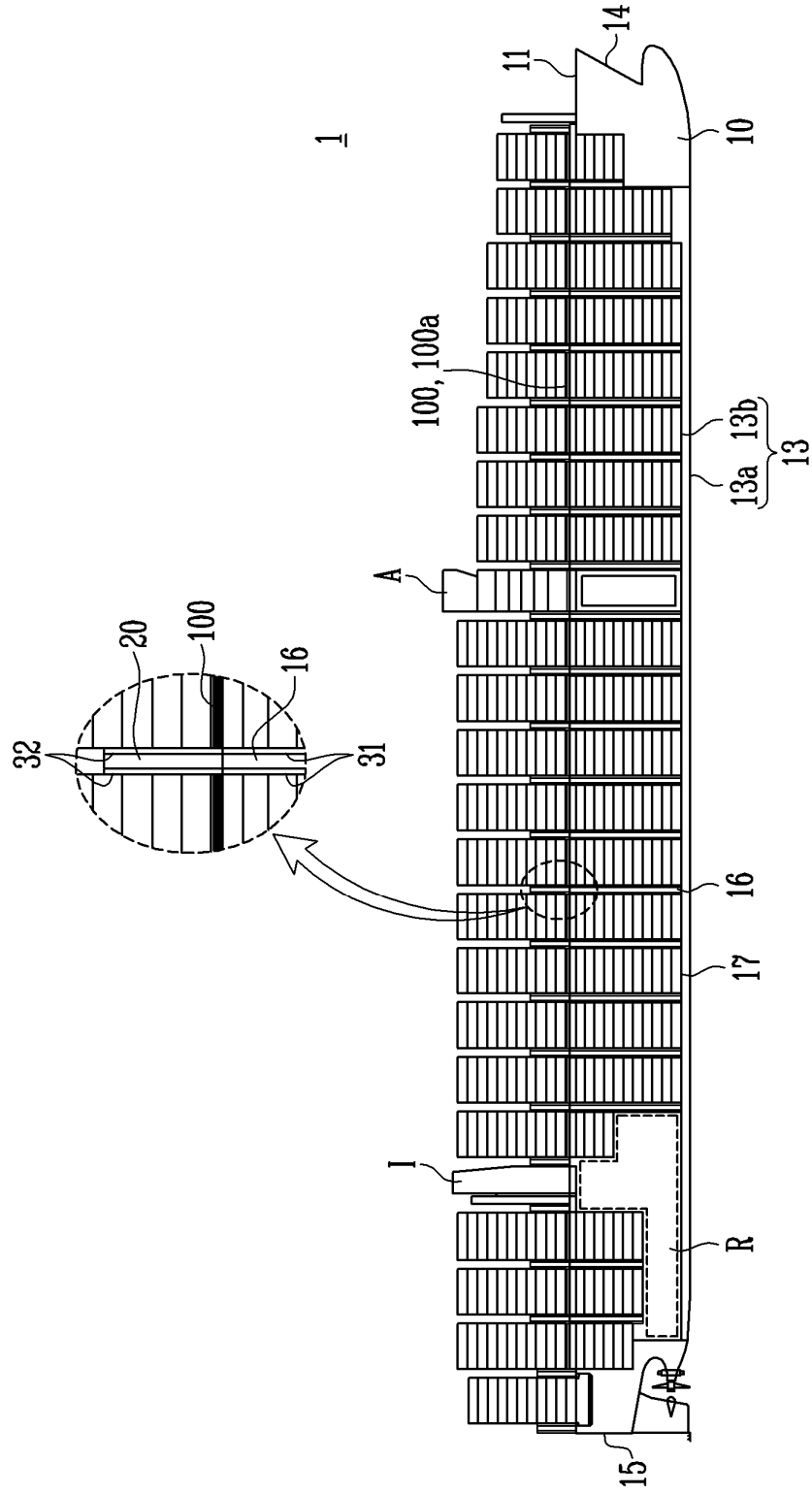


FIG. 2

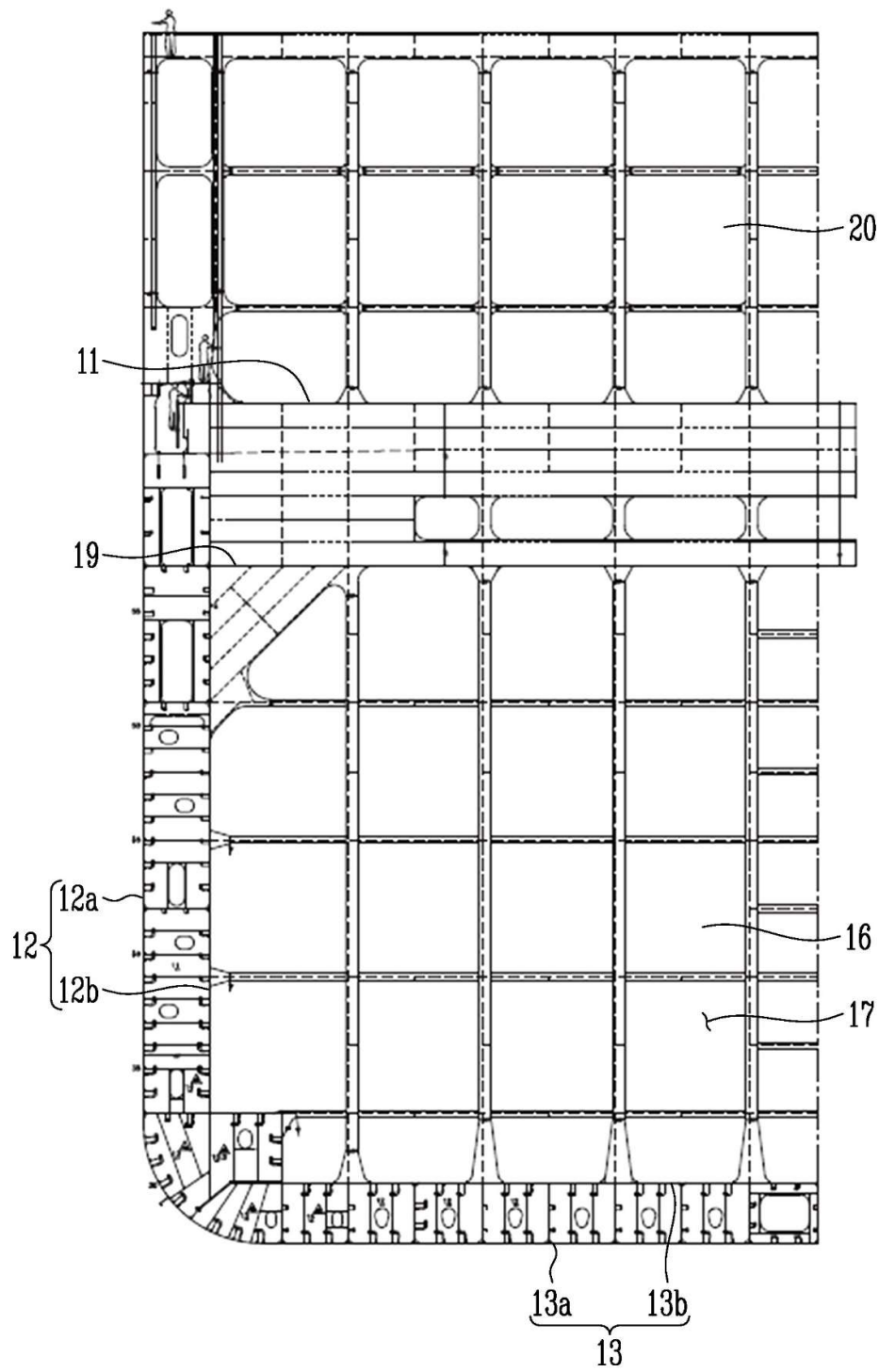
1

FIG. 3

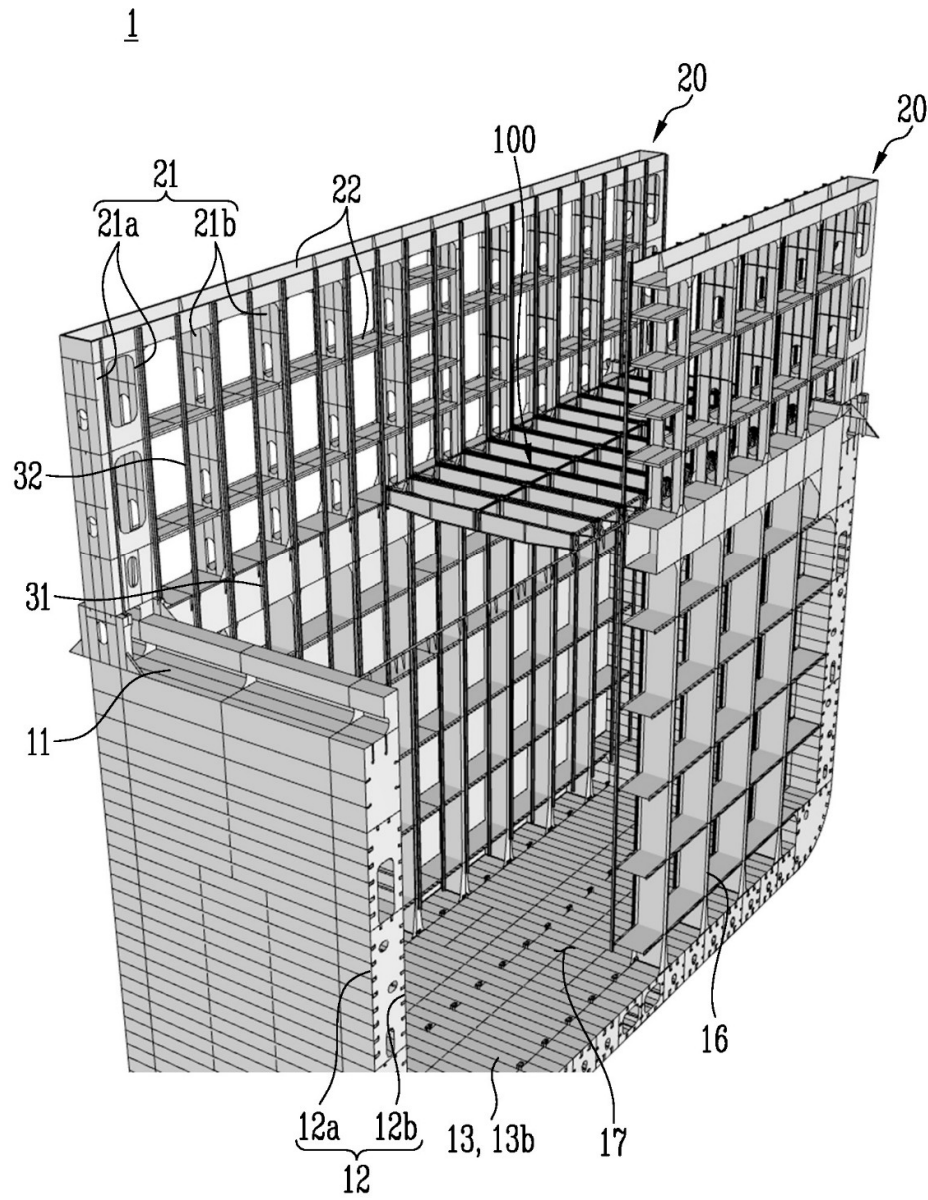


FIG. 4

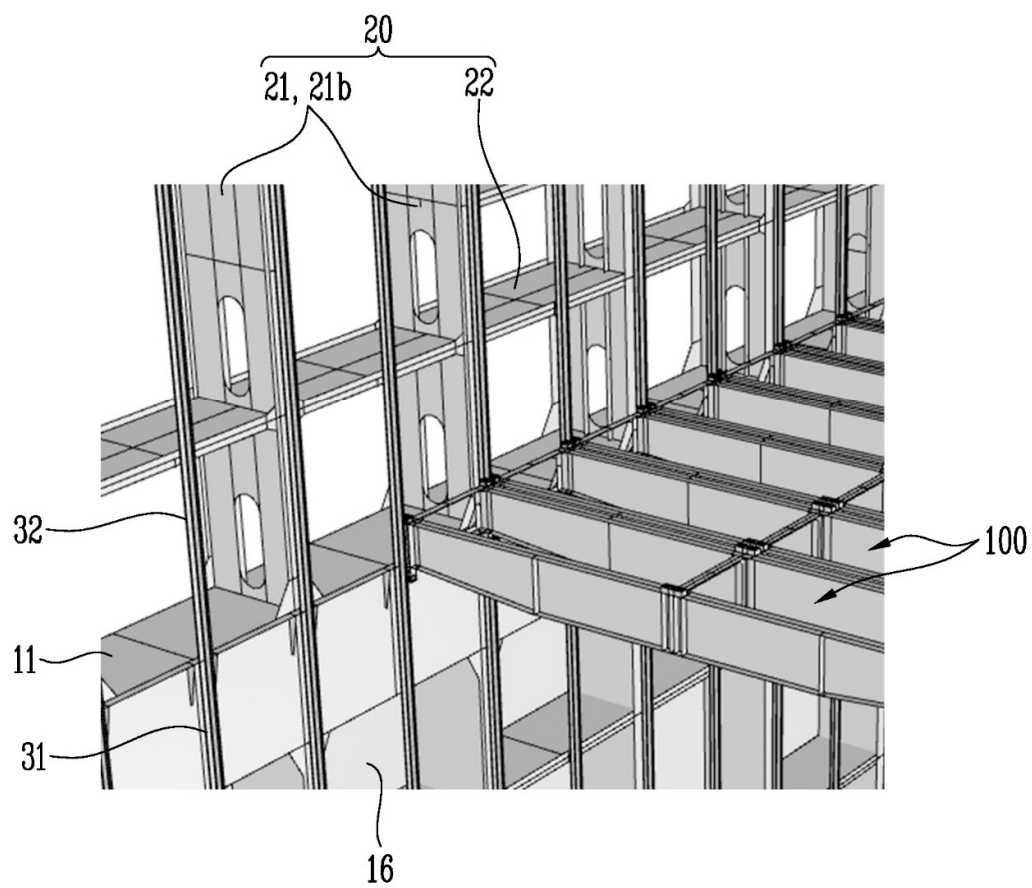


FIG. 5

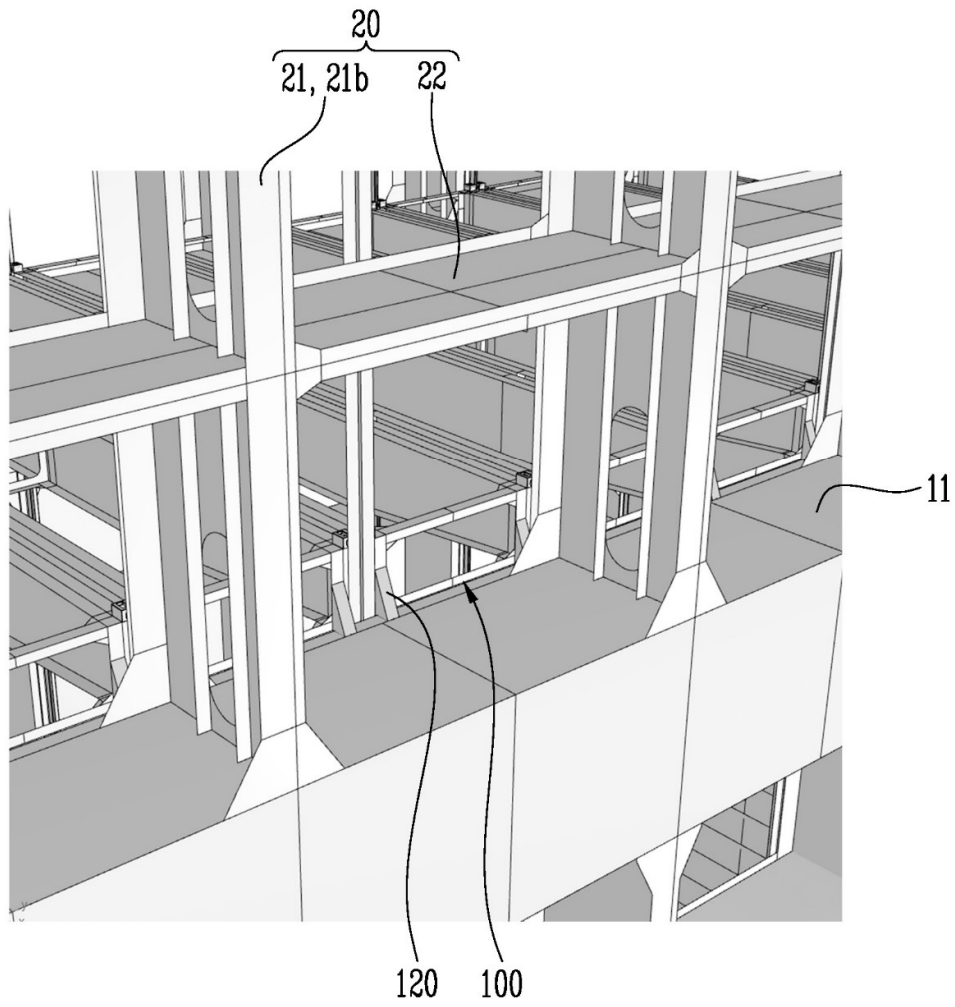


FIG. 6

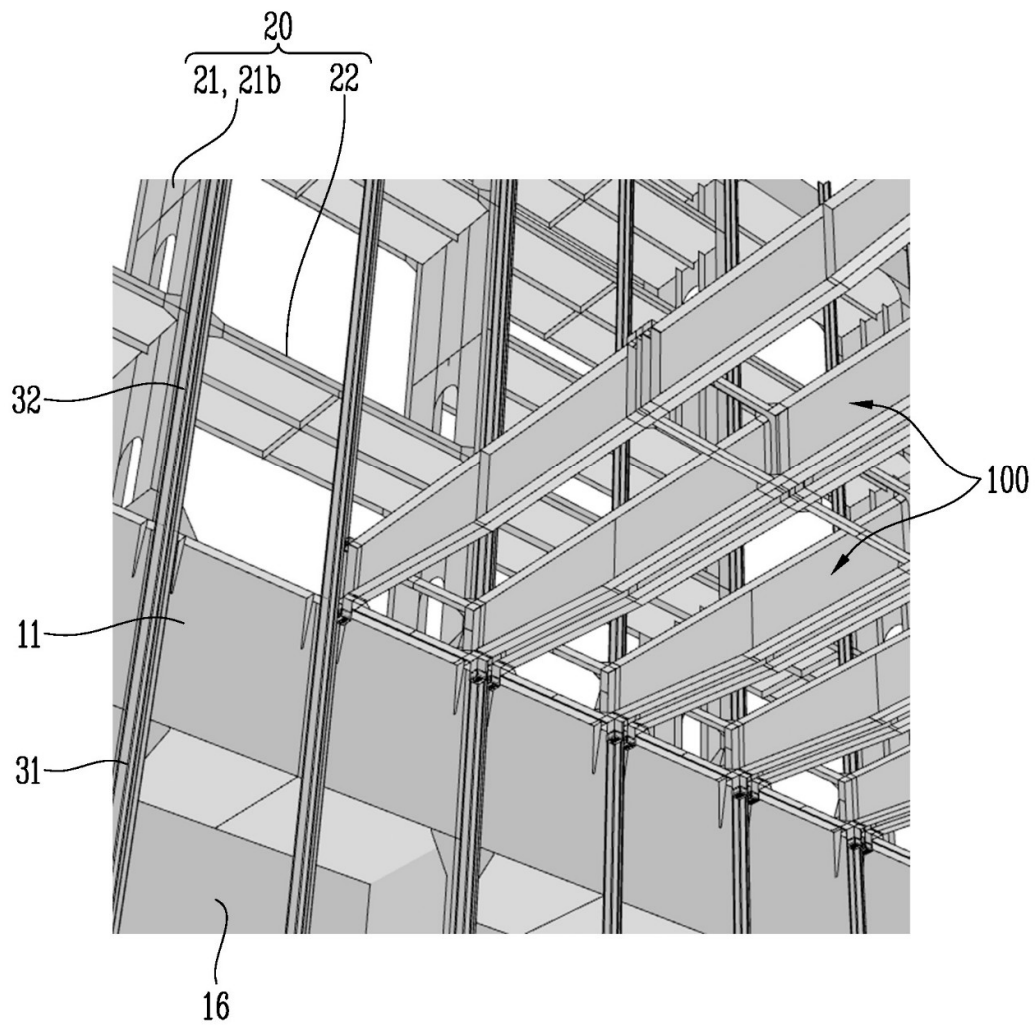


FIG. 7

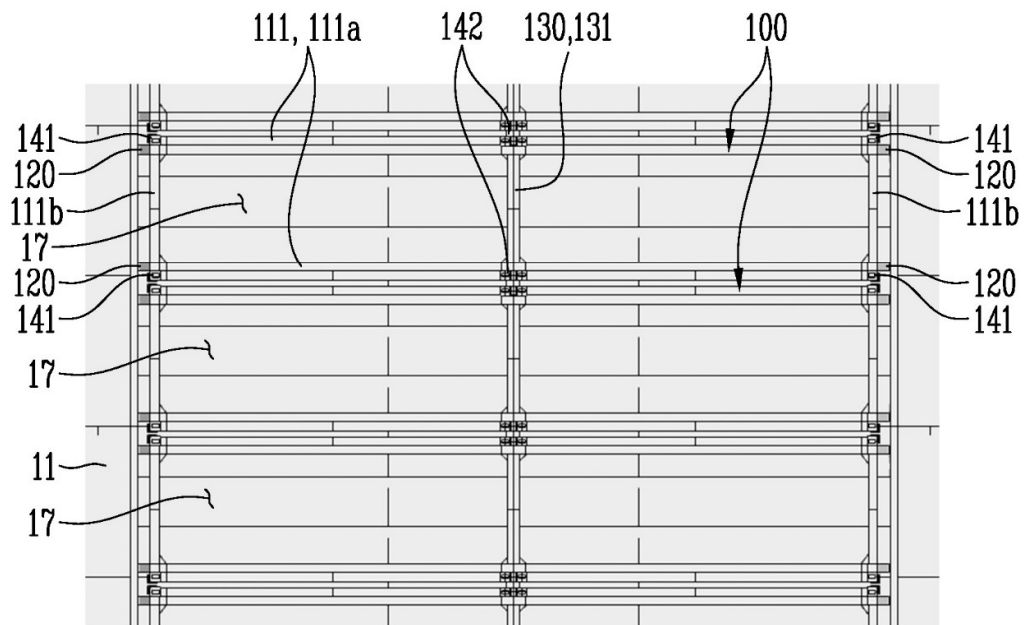


FIG. 8

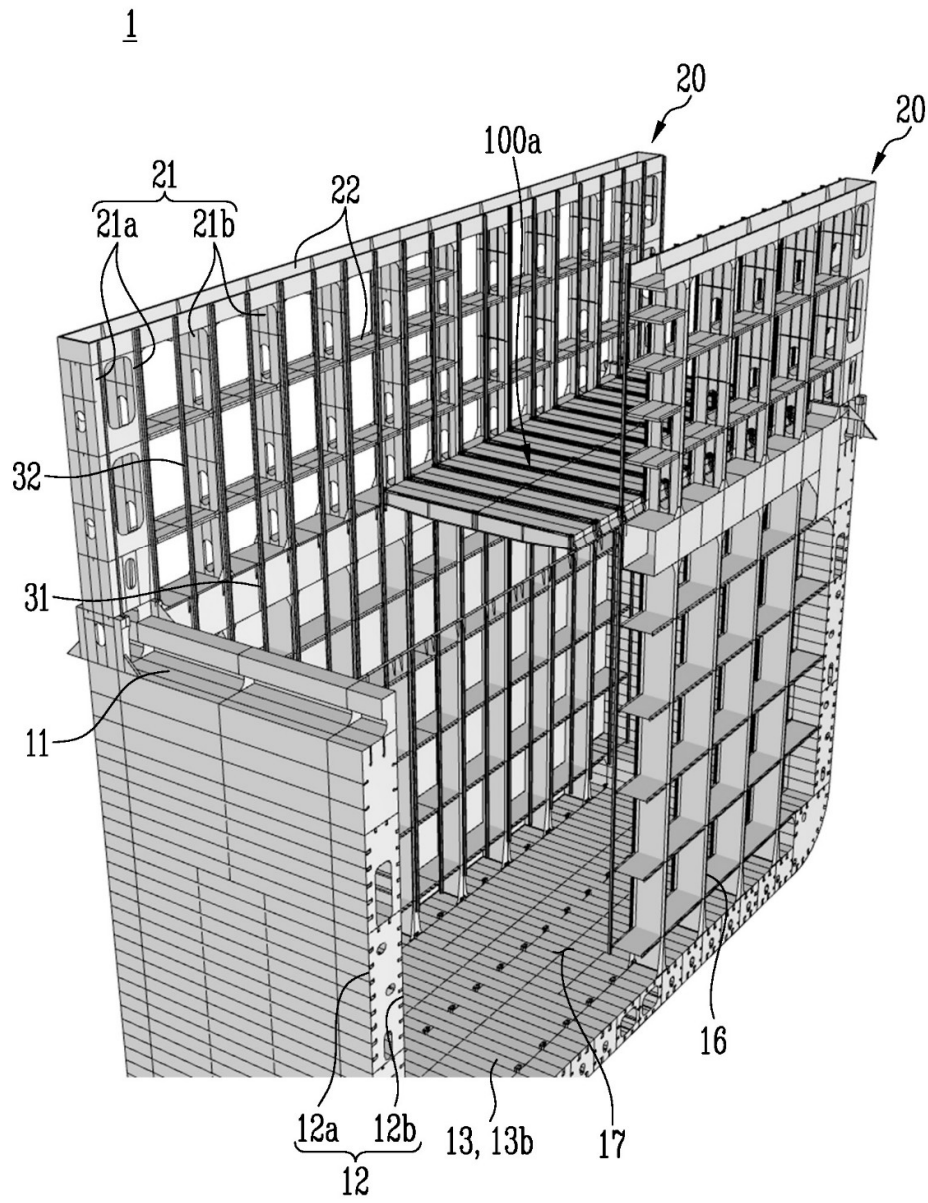


FIG. 9

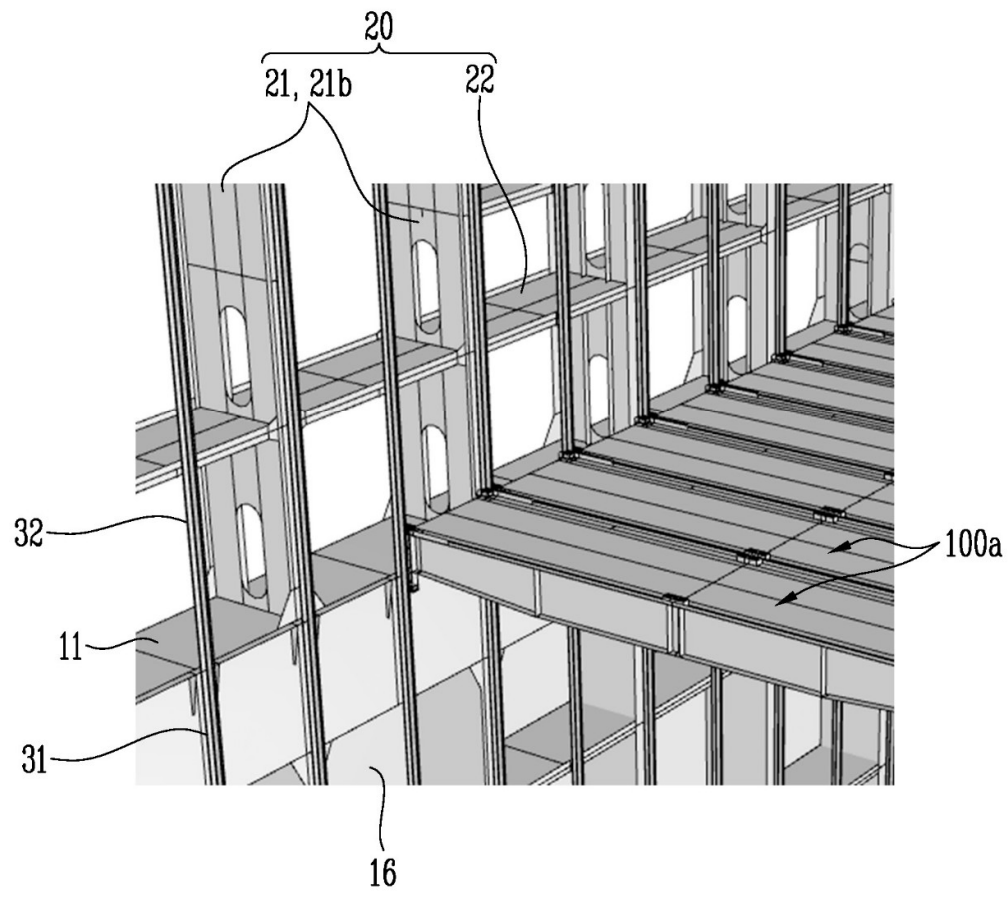


FIG. 10

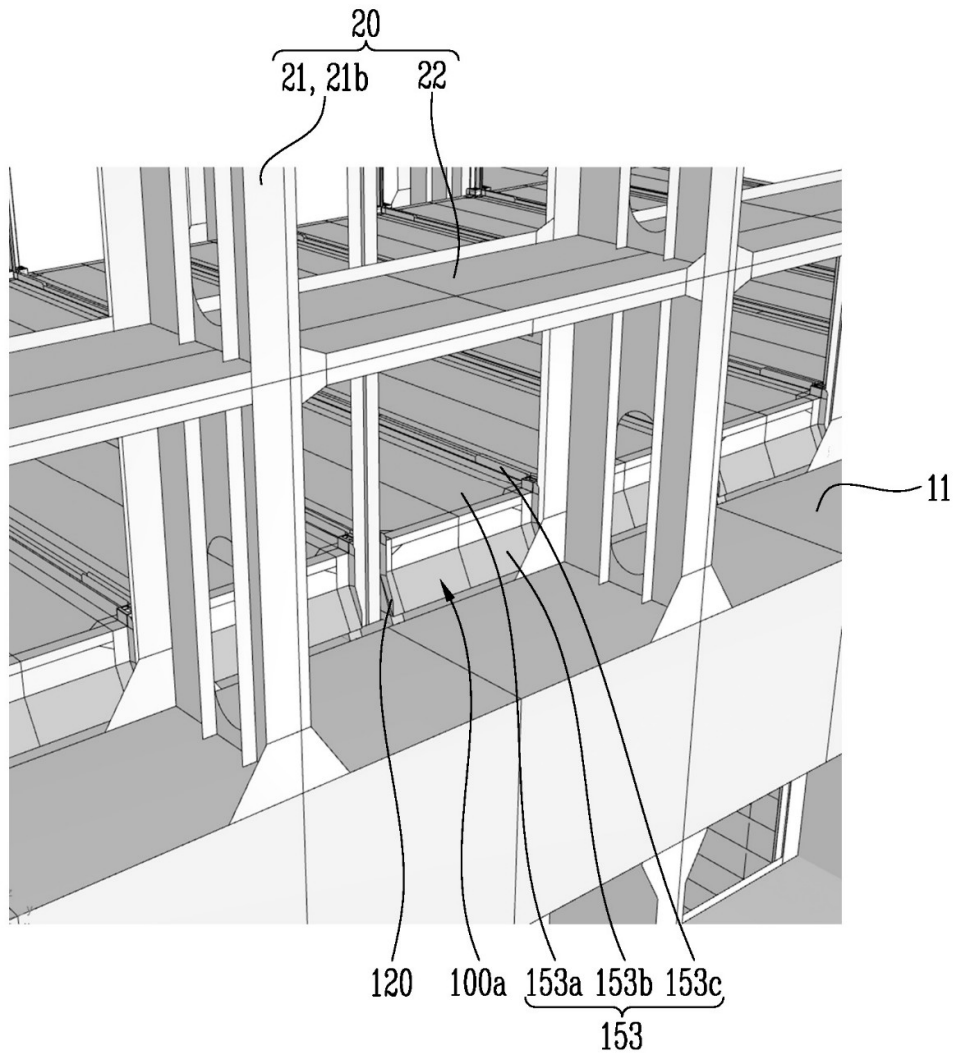


FIG. 11

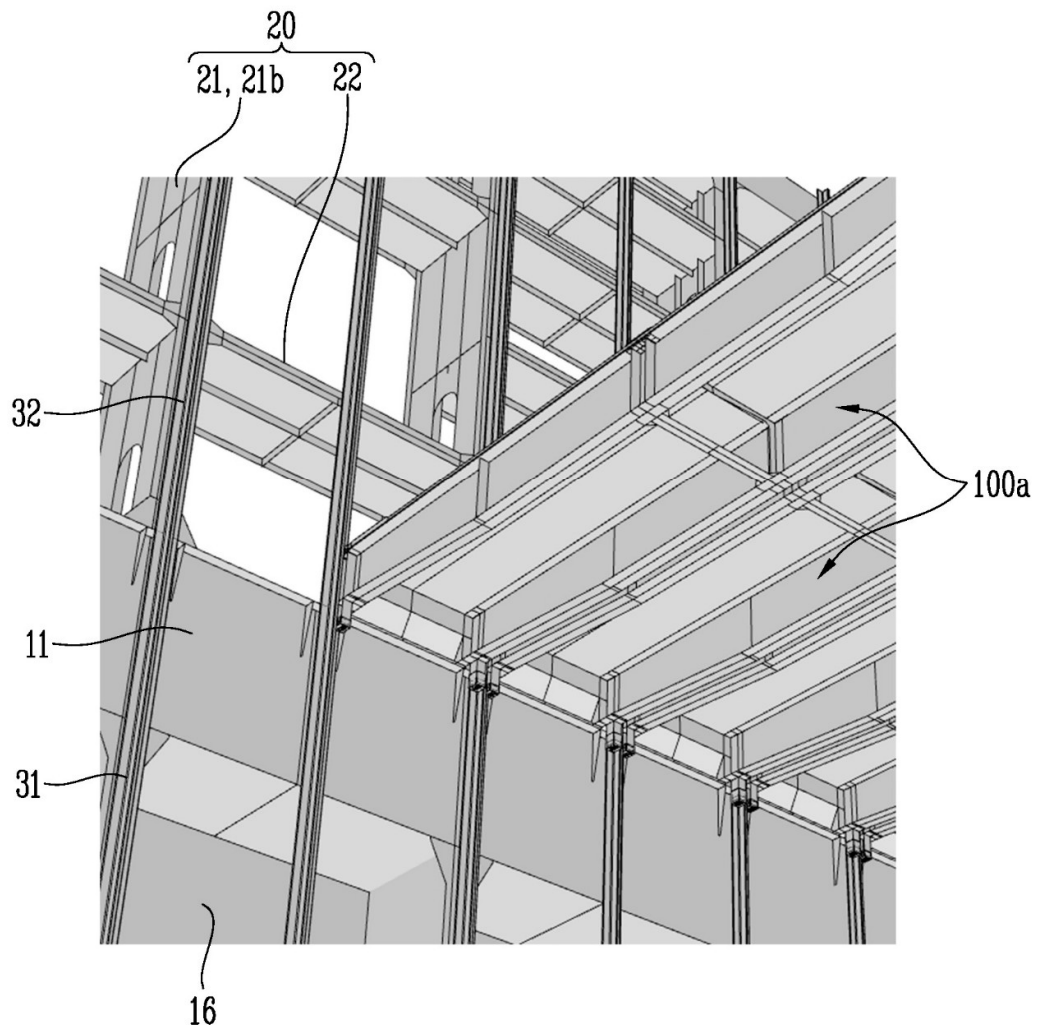


FIG. 12

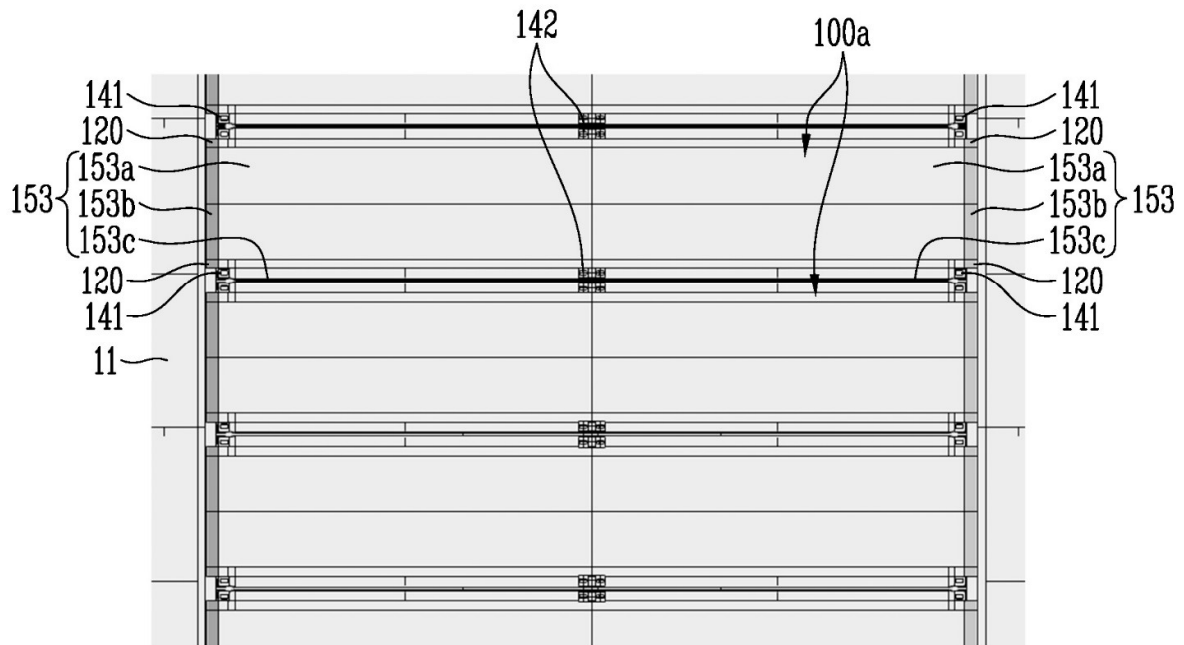


FIG. 13

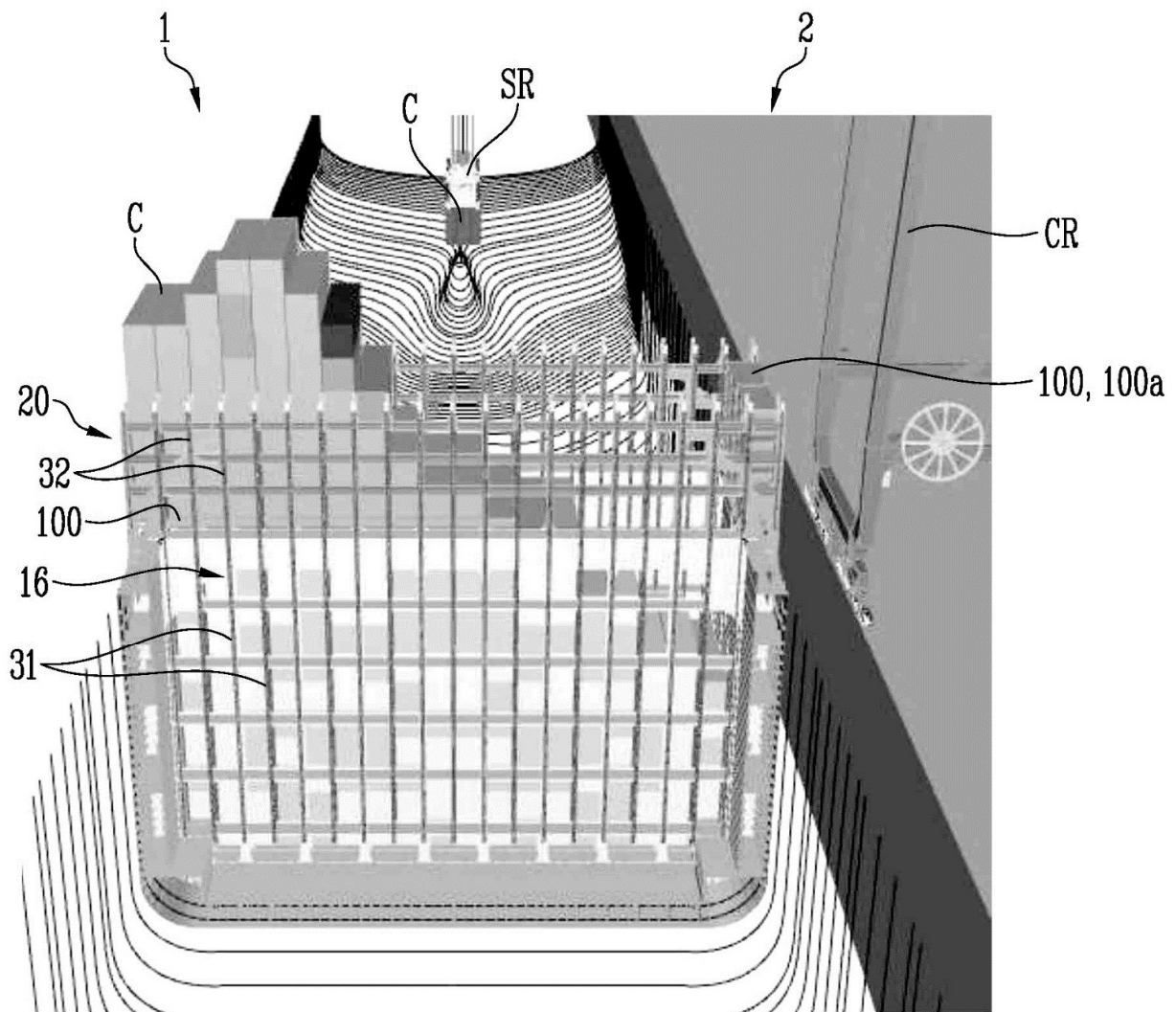


FIG. 14

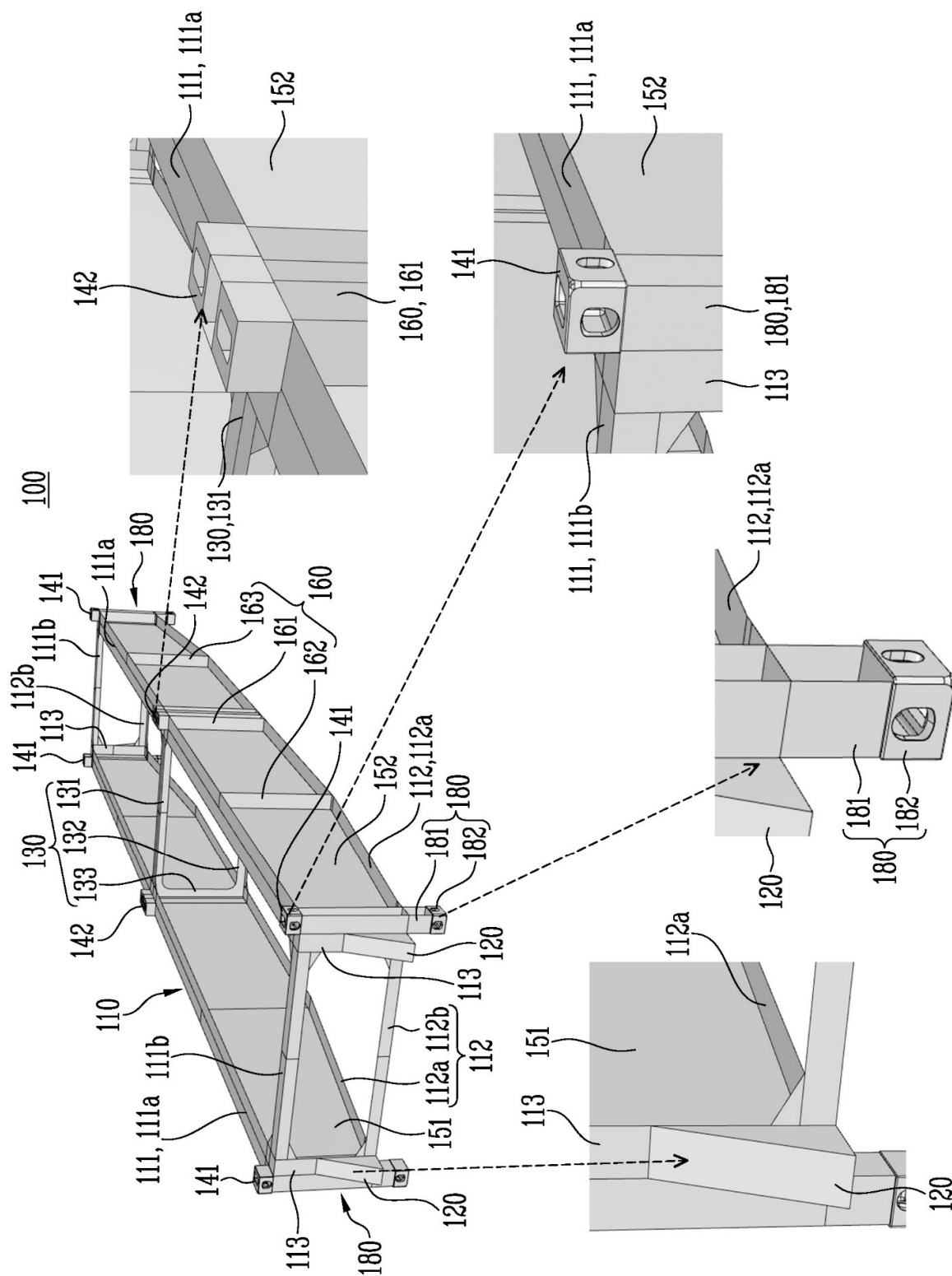


FIG. 15

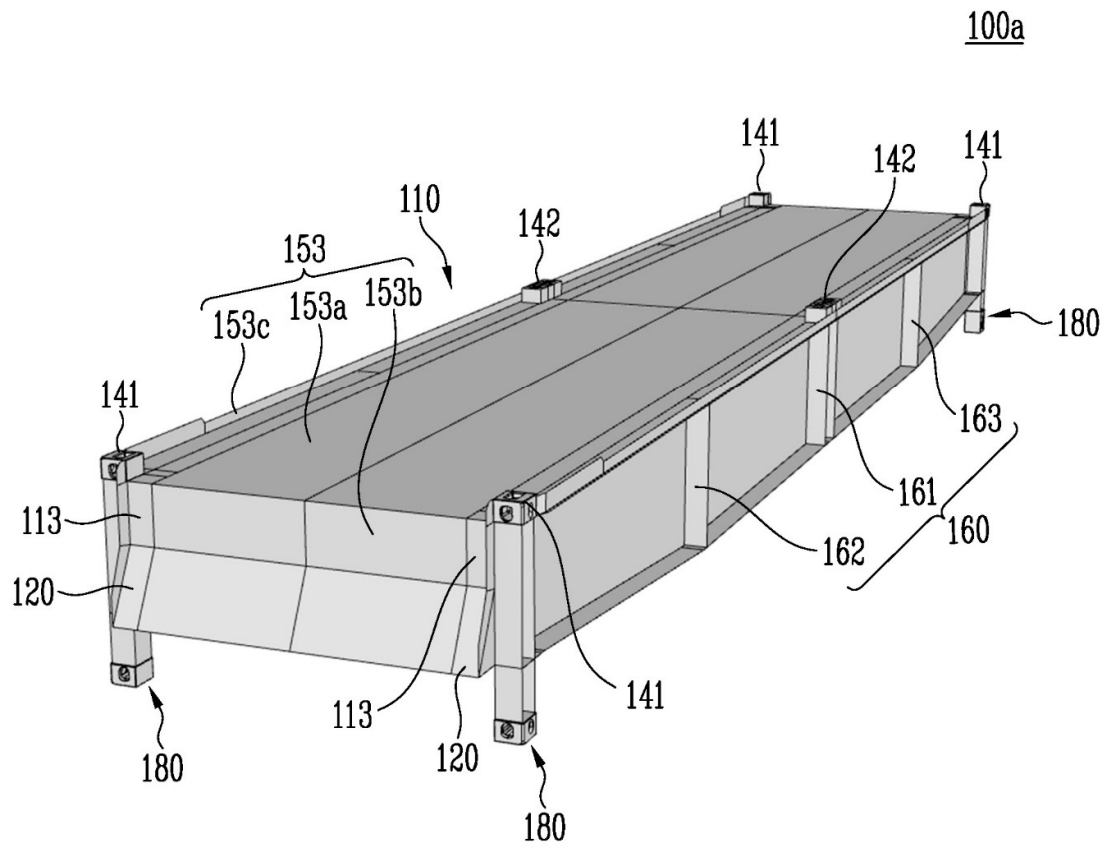


FIG. 16

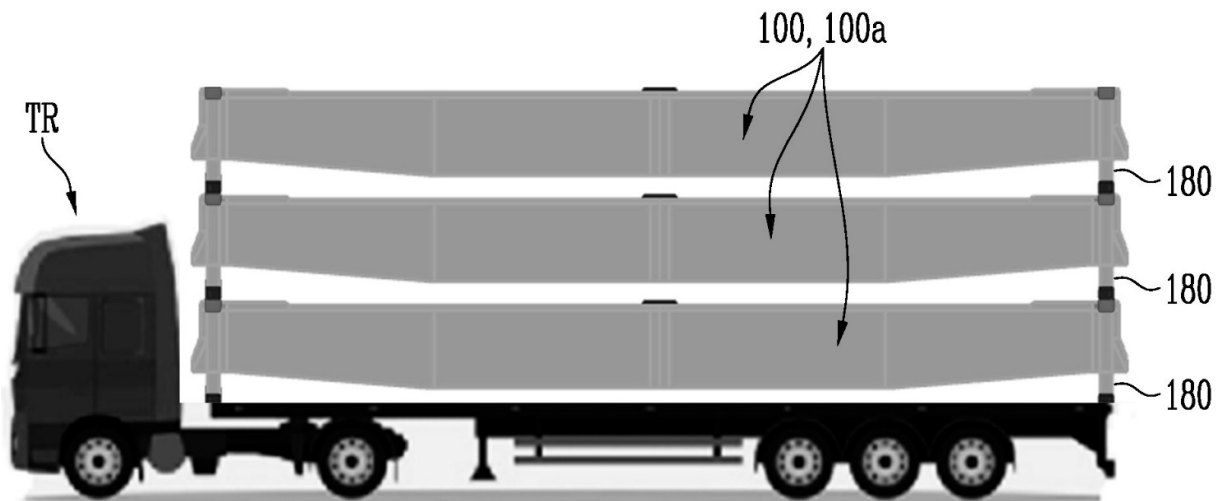


FIG. 17

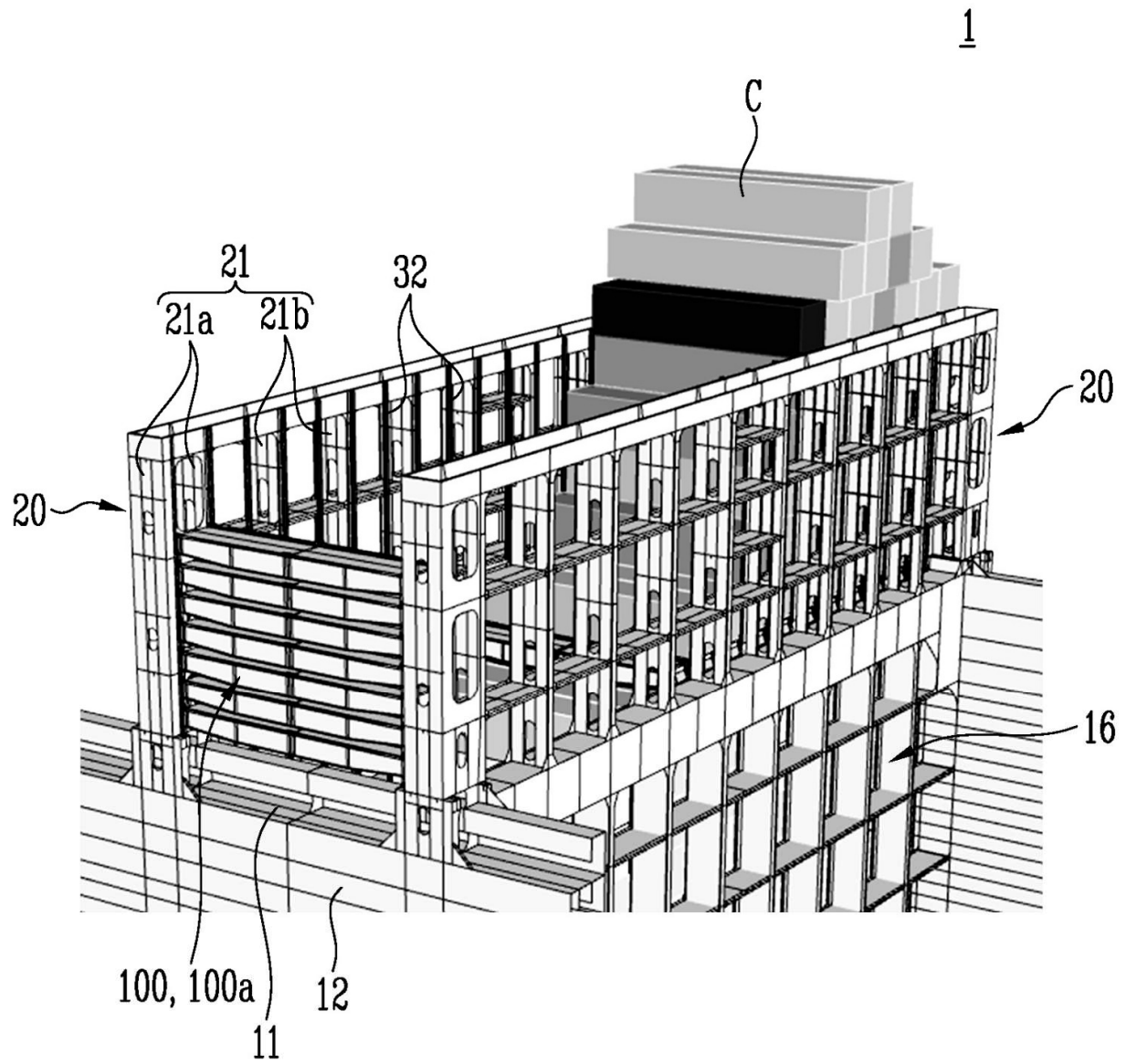


FIG. 18

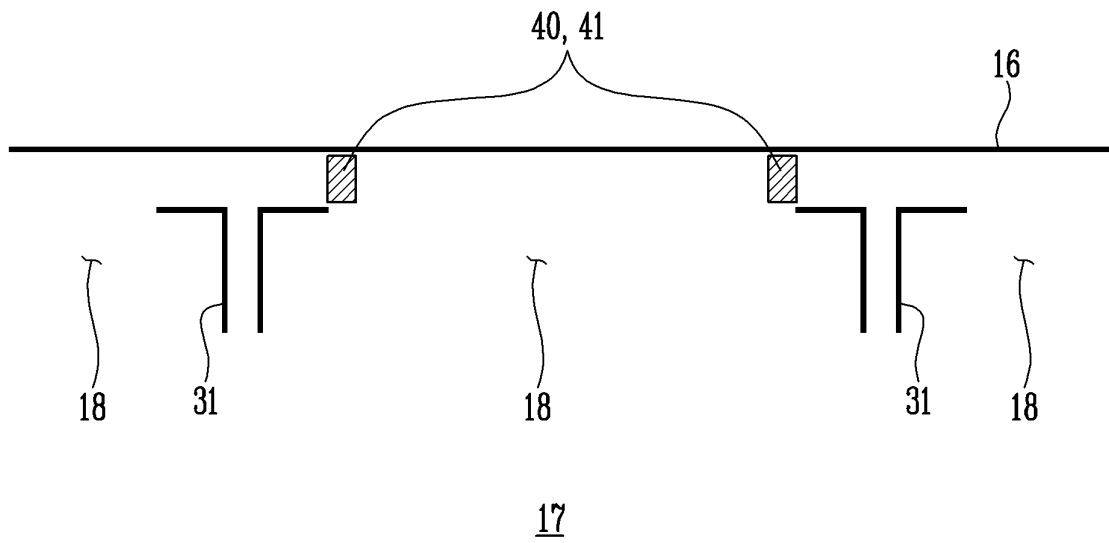


FIG. 19

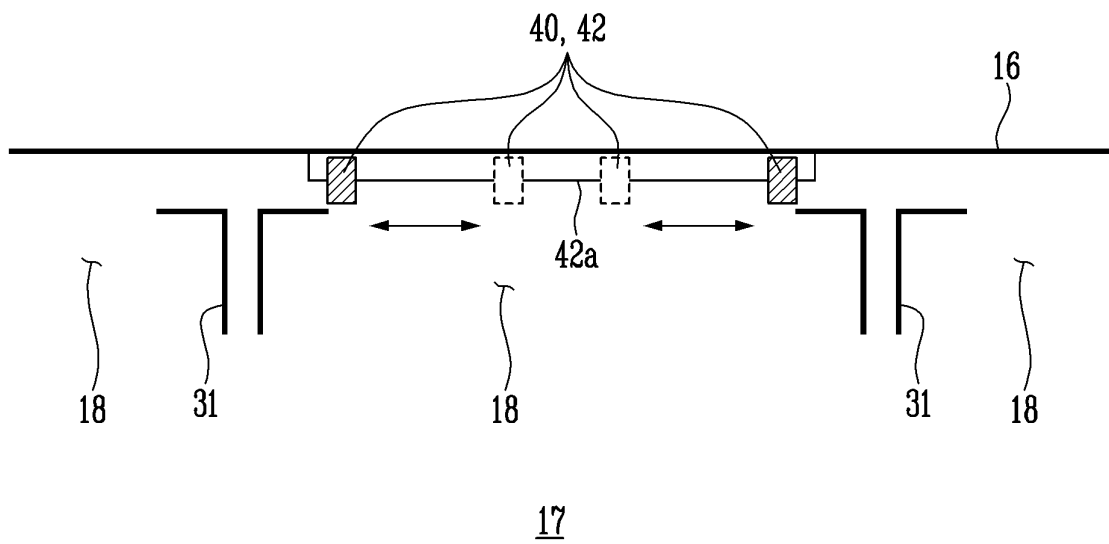


FIG. 20

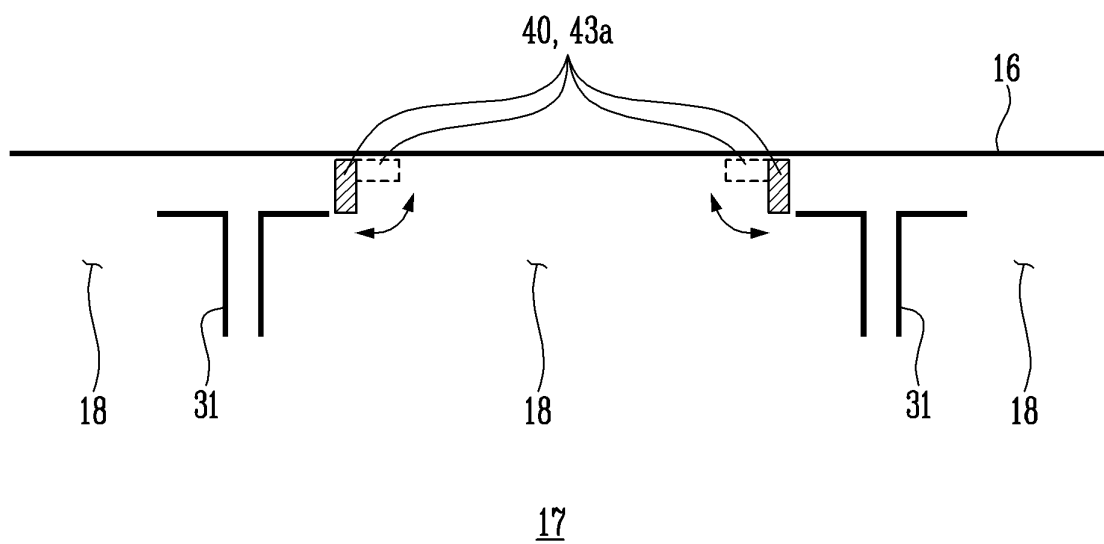


FIG. 21

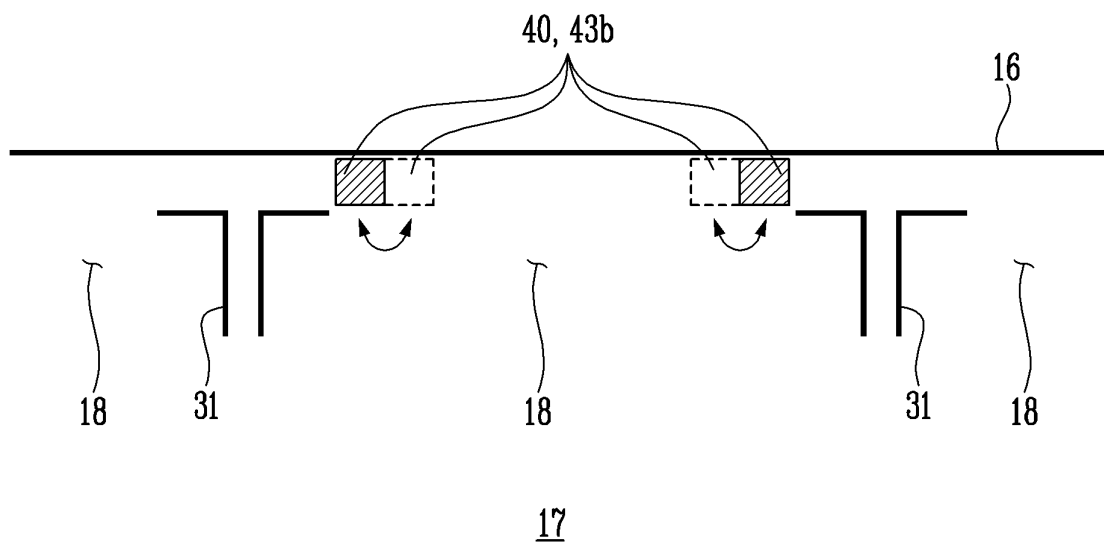
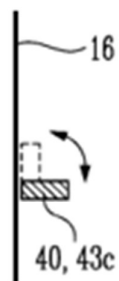
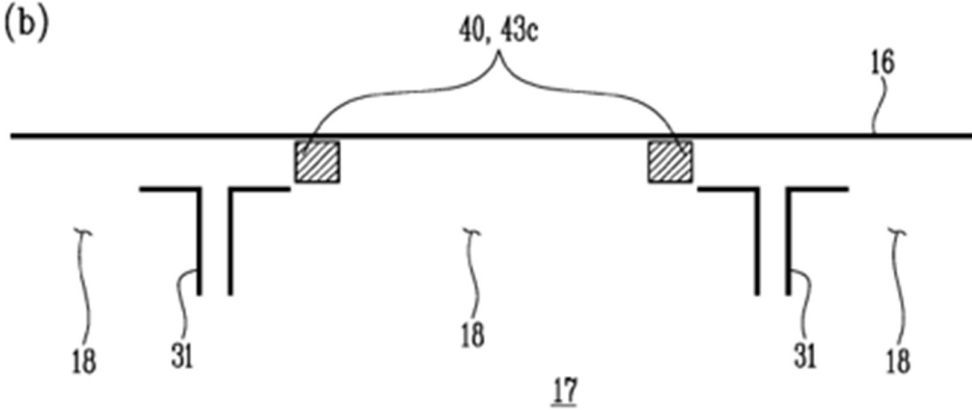


FIG. 22

(a)



(b)



(c)

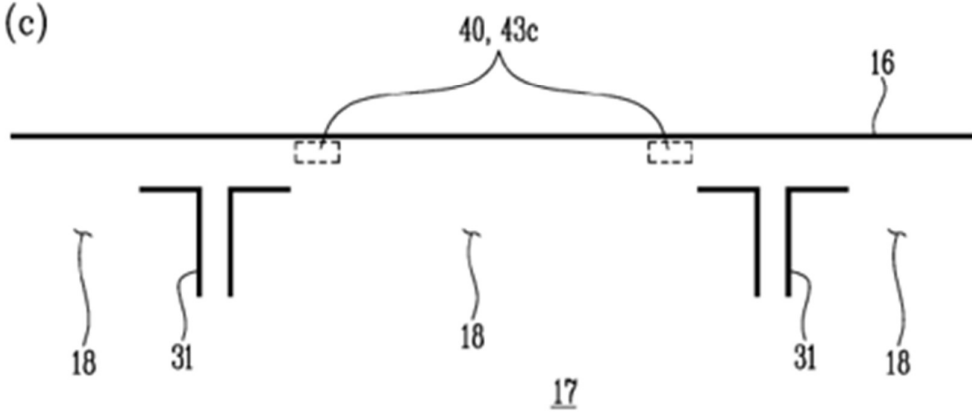


FIG. 23

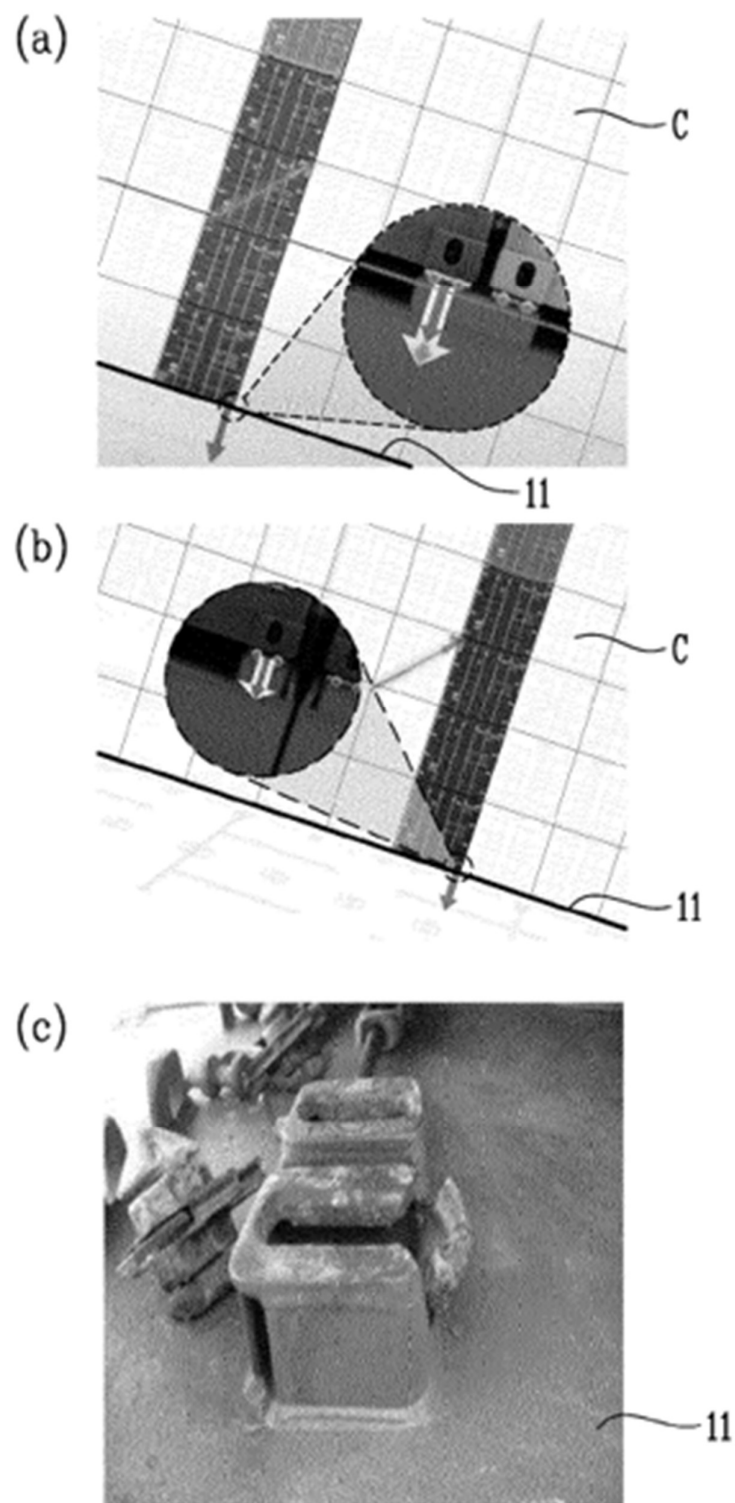


FIG. 24

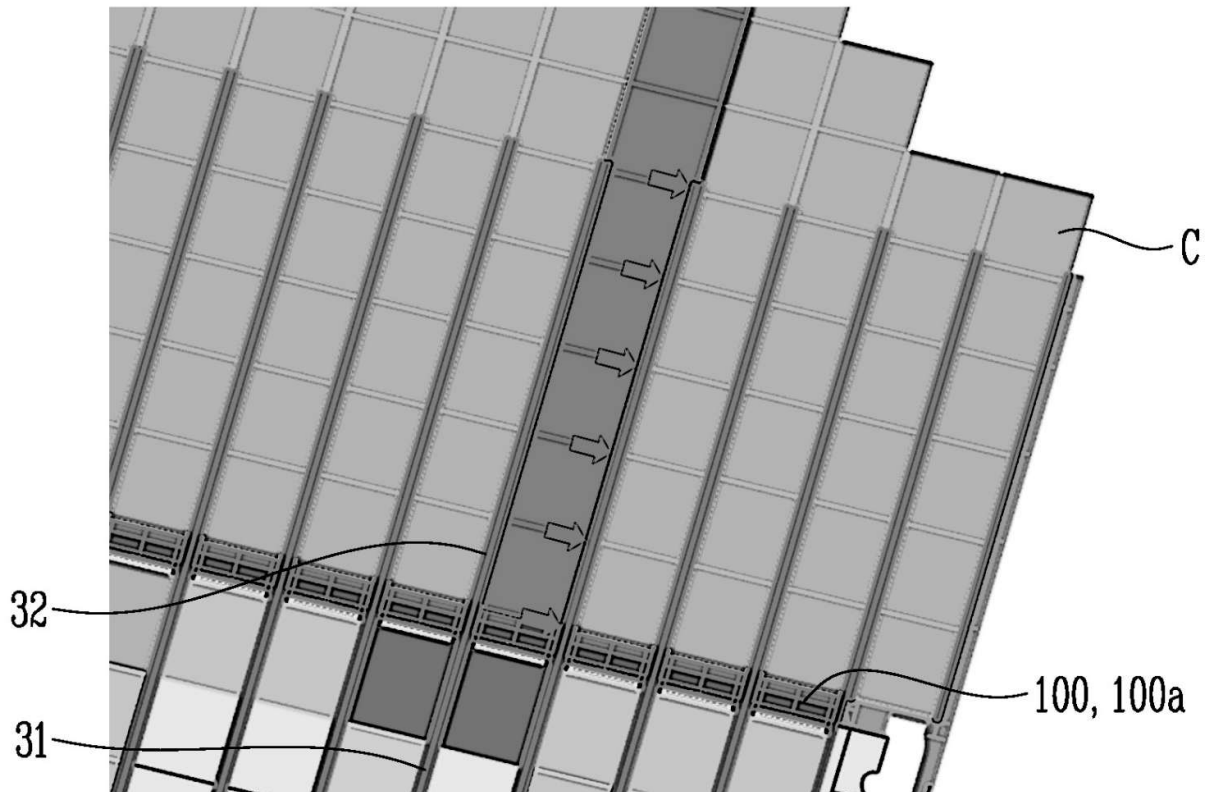


FIG. 25

Tier	TwistLock Force		Corner Post Force		Racking Force	Lashing Rod Tension			
	(PS)	(SB)	(PS)	(SB)		A	B	C	D
12	-12.5	-7.2	0	0	2.3	0	0	0	0
11	-39.8	-13.7	-12.5	-7.2	9	0	0	0	0
10	-85.8	-15.6	-39.8	-13.7	19.2	0	0	0	0
9	-151	-6.7	-85.8	-15.6	32.1	0	0	0	0
8	-232.3	18.3	-151	-6.7	46	0	0	0	0
7	-329.4	59.1	-232.3	18.3	59.8	0	0	0	0
6	-442.2	115.6	-329.4	59.1	73.4	0	0	0	0
5	-570.5	91.6	-442.2	115.6	86.8	0	146.7	0	0
4	-597.8	-31.5	-570.5	23.8	-69.1	69.1	77	0	0
3	-725	-174.6	-597.8	-31.5	-6.9	0	0	0	0
2	-927.5	-242.5	-725	-174.6	58.3	0	0	0	0
1	-1206.2	-234	-927.5	-242.5	124.5	0	0	0	0

FIG. 26

Tier	TwistLock Force		Corner Post Force		Racking Force	Lashing Rod Tension			
	(PS)	(SB)	(PS)	(SB)		A	B	C	D
12	12	-12.5	-7.2	0	0	2.3	0	0	0
11	11	-39.8	-13.7	-12.5	-7.2	9	0	0	0
10	10	-85.8	-15.6	-39.8	-13.7	19.2	0	0	0
9	9	-151	-6.7	-85.8	-15.6	32.1	0	0	0
8	8	-232.3	18.3	-151	-6.7	46	0	0	0
7	7	-329.4	59.1	-232.3	18.3	59.8	0	0	0
6	6	-442.2	115.6	-329.4	59.1	73.4	0	0	0
5	5	-570.5	187.6	-442.2	115.6	86.8	0	0	0
4	Cell Guide -805.7								
3									
2									
1									

FIG. 27

Loads	Criteria	Lashing system 3-tier lashing bridge**	Cell guide system 4-tier
Racking force(kN)	150	124.5	86.8
Post force(kN) (Compression)	848	927.5	805.7 (442.2+363.5***)
Twistlock force(kN) (Tension)	250(500*)	115.6	187.6
Remarks	* Min. breaking load (tension) of twistlock	**External lashing, lashing at bottom/top of 4th tier & bottom of 5th tier	*** (18+48+48) x 9.81 x 1.3(g) ÷4 = 363.5 kN

FIG. 28

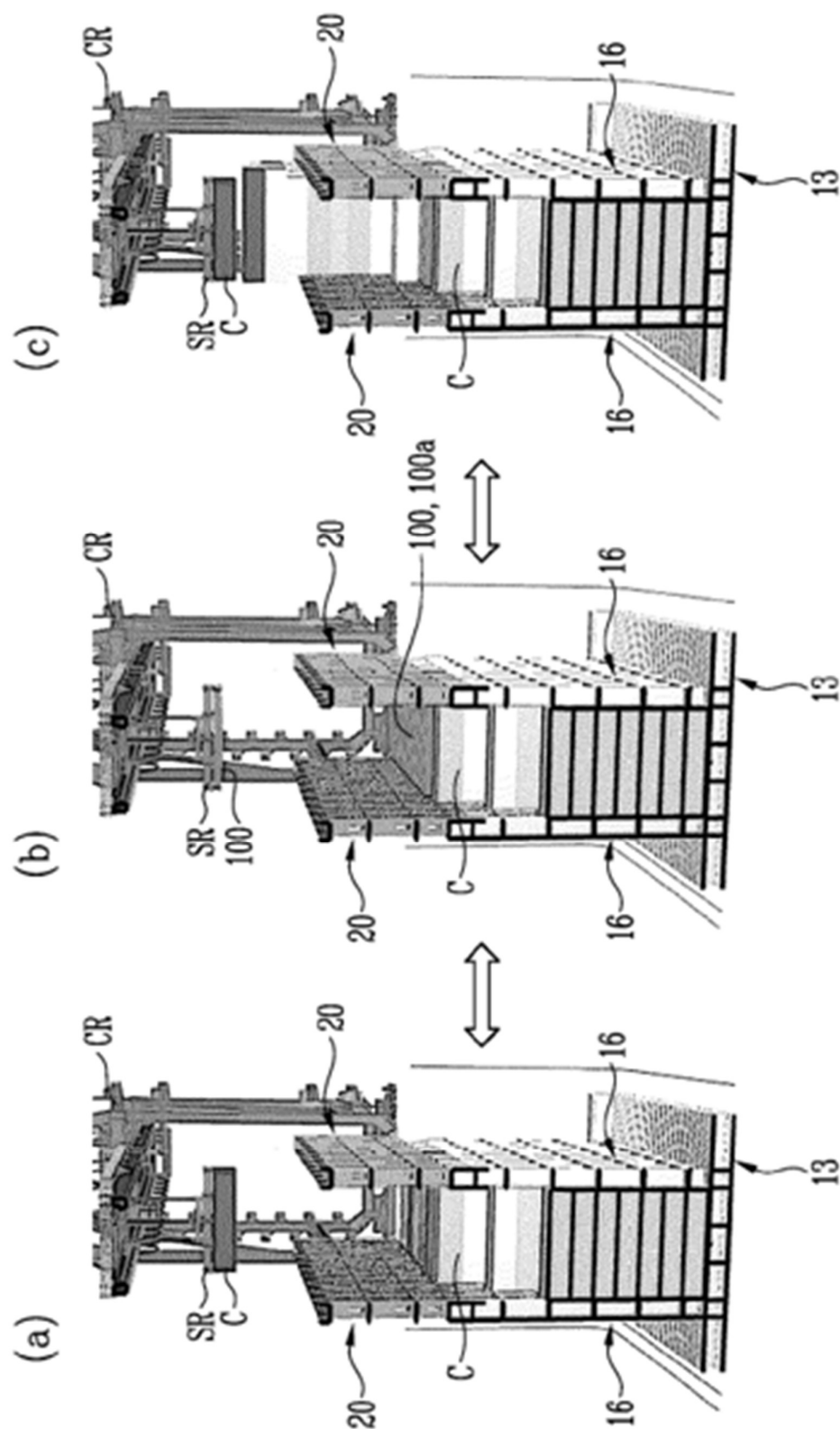


FIG. 29

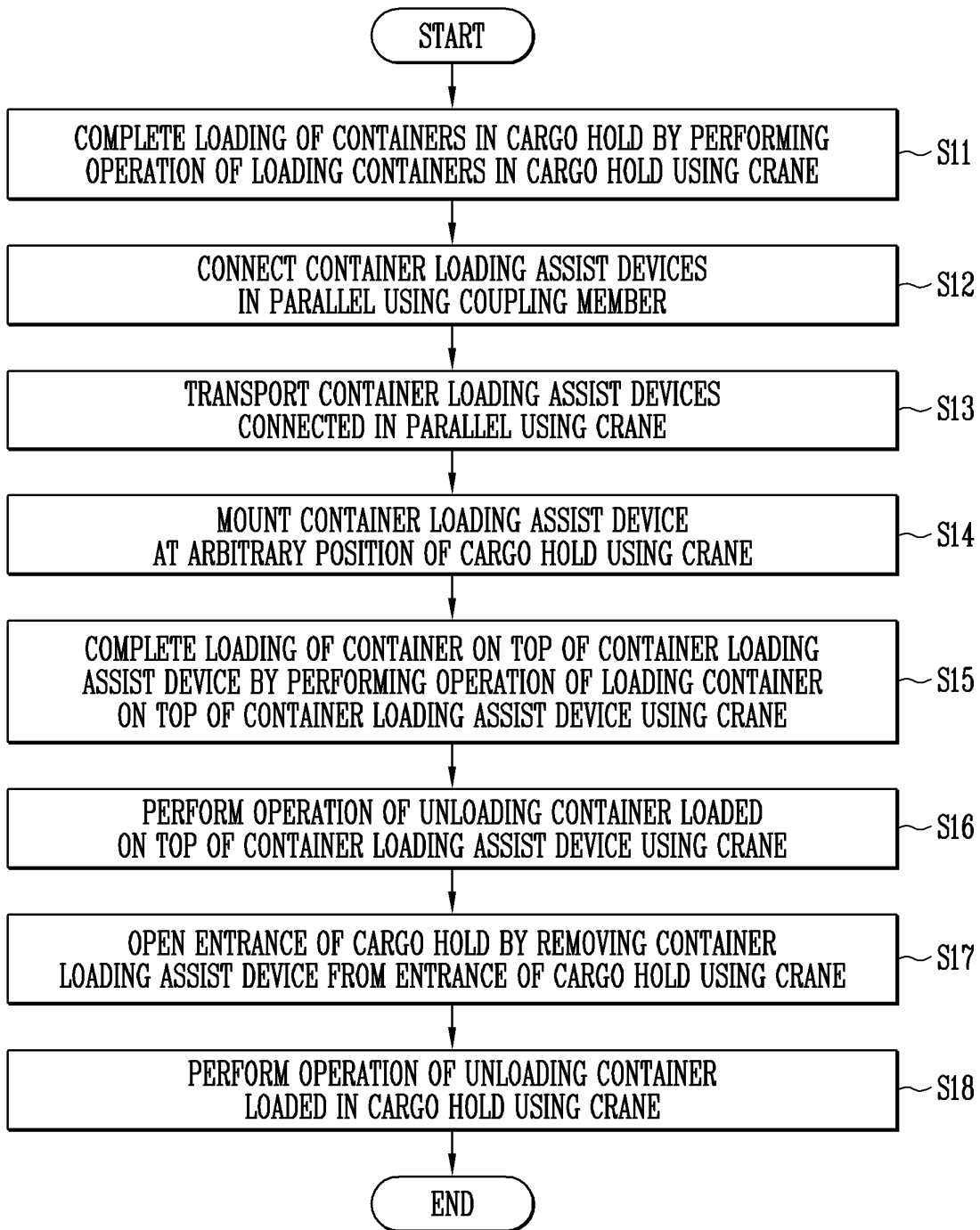


FIG. 30

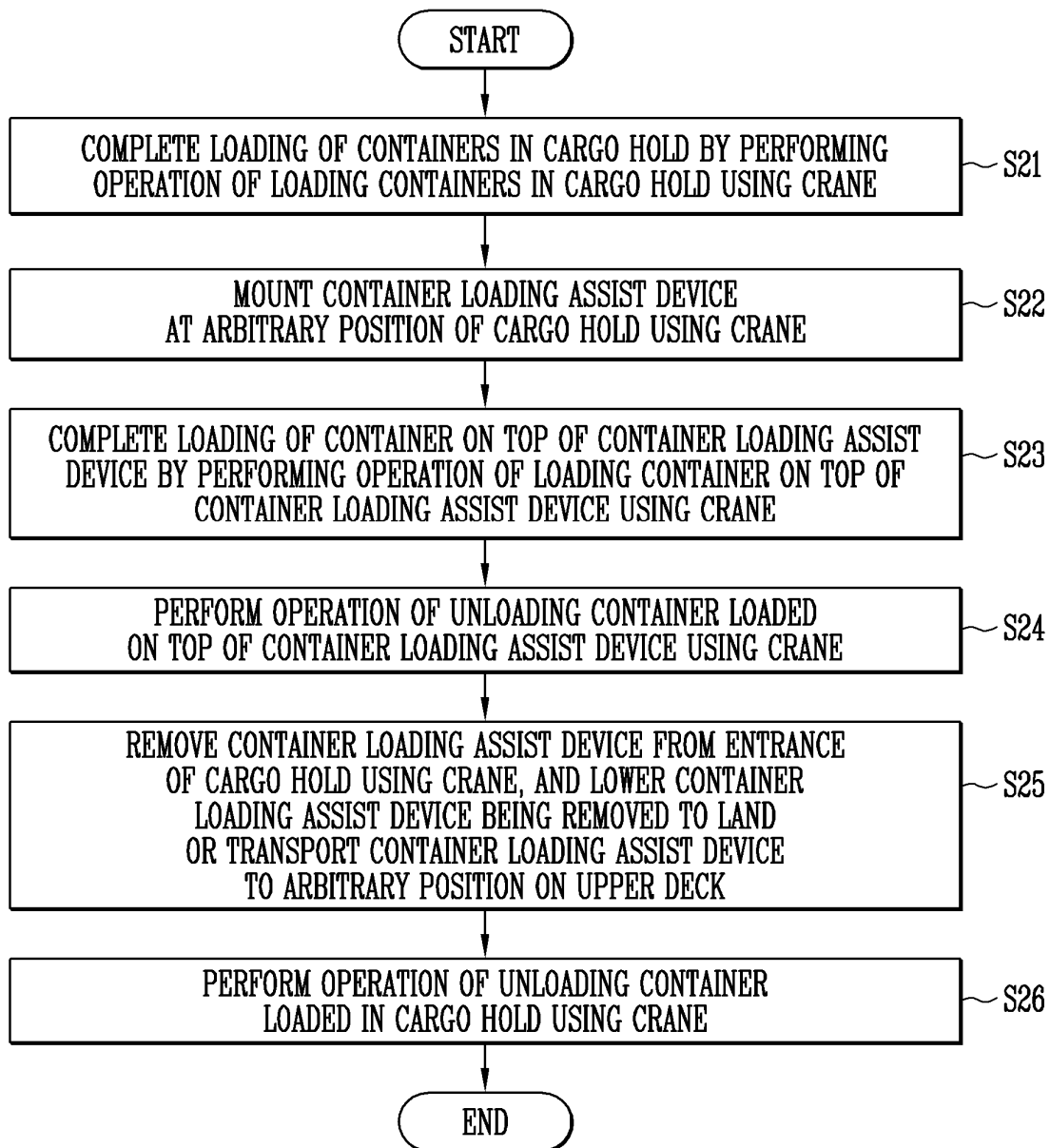


FIG. 32

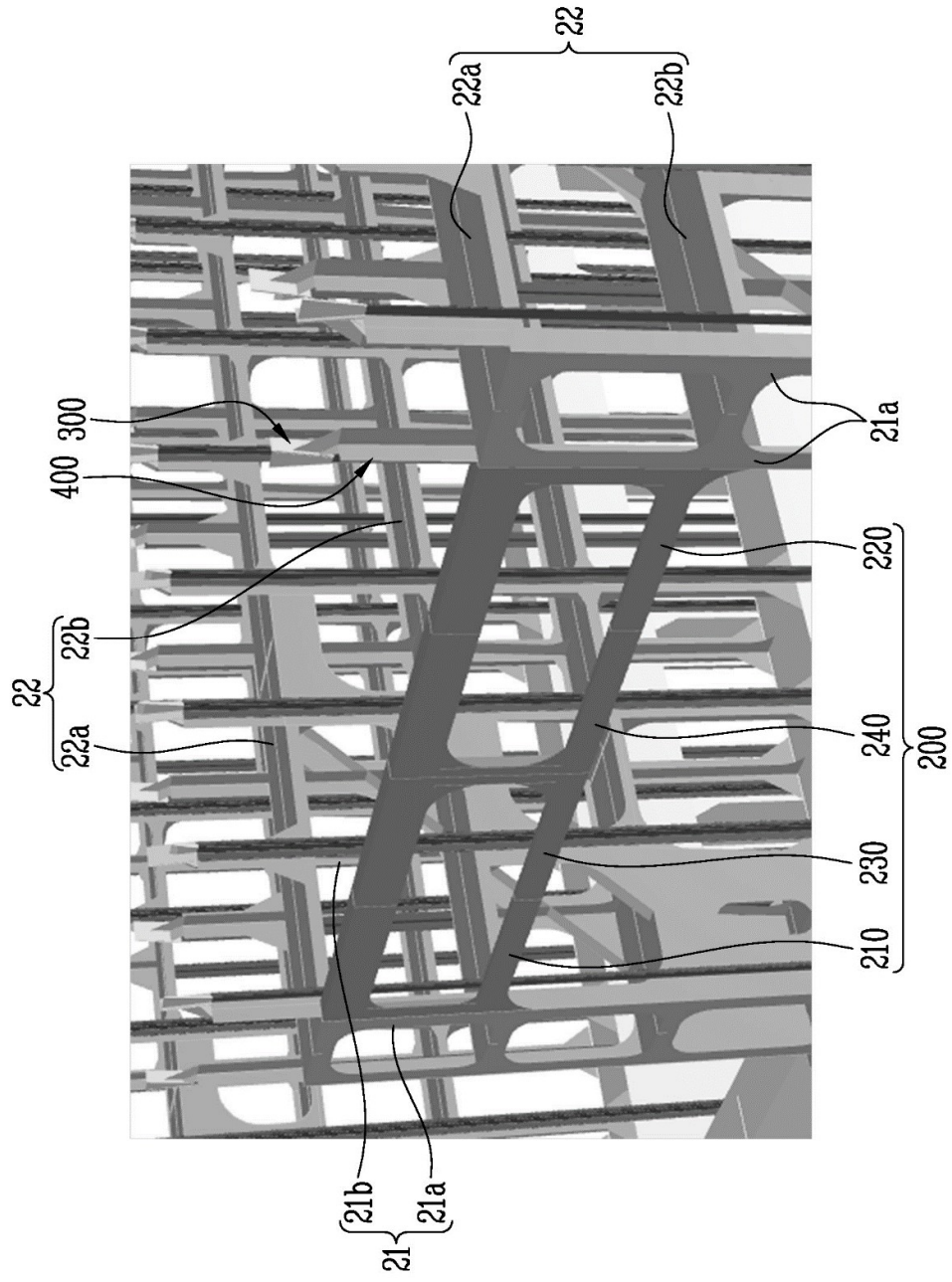


FIG. 33

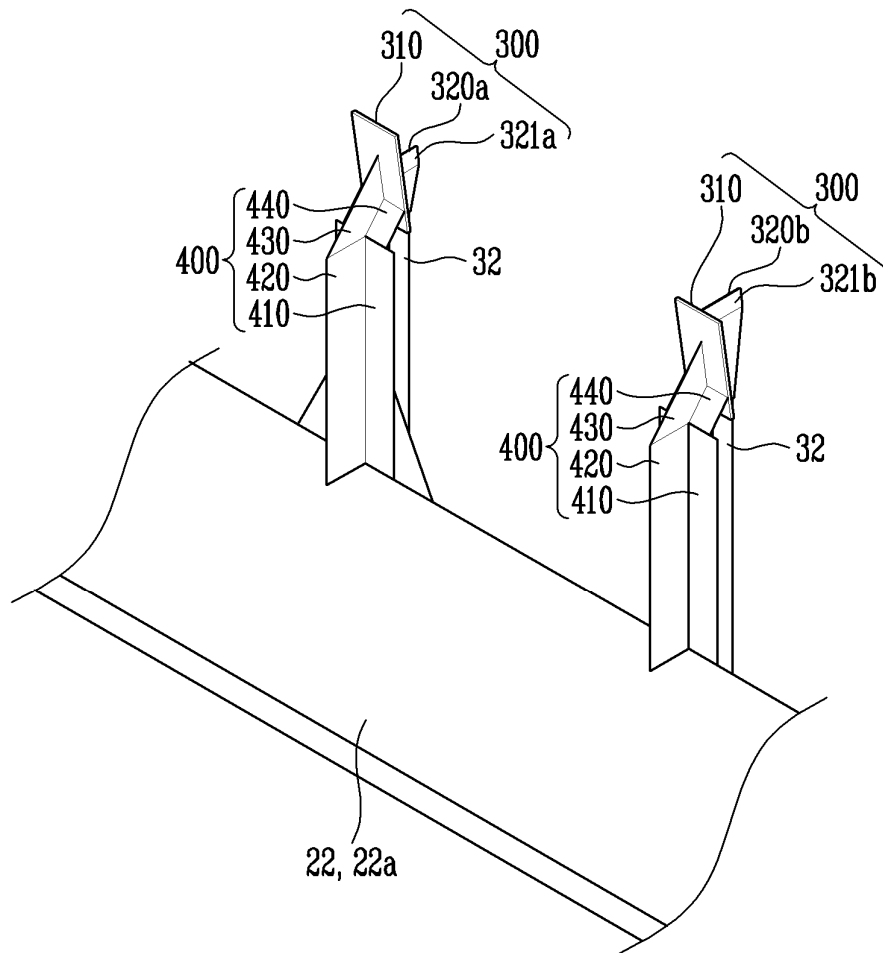


FIG. 34

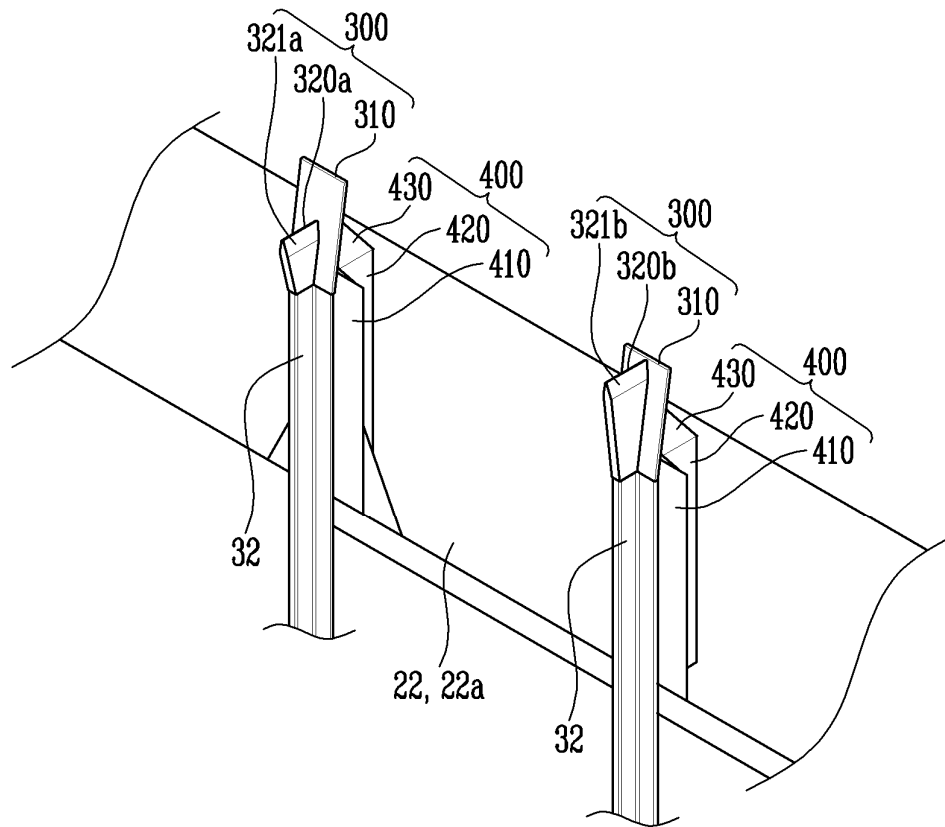


FIG. 35

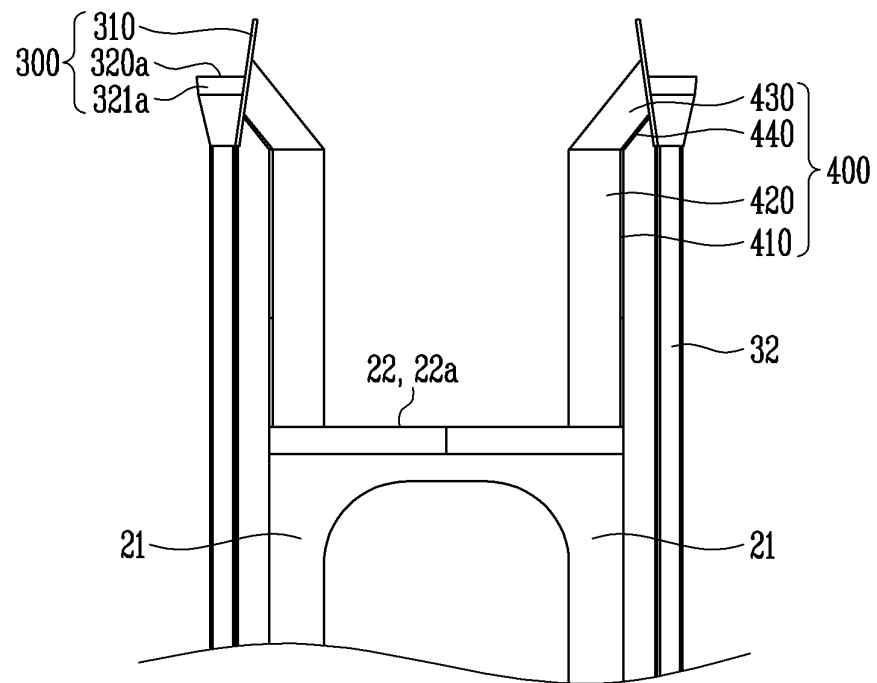


FIG. 36

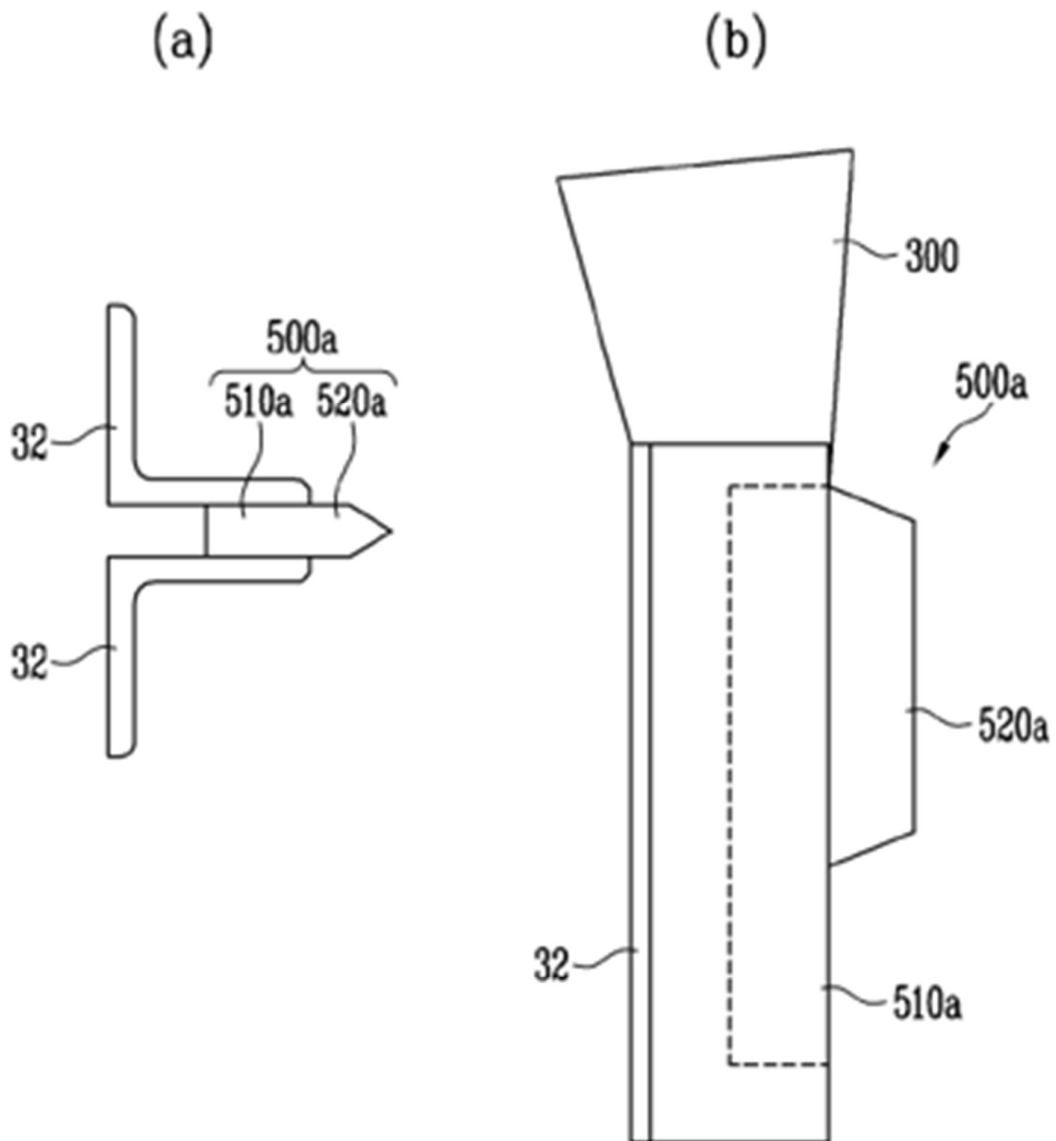


FIG. 37

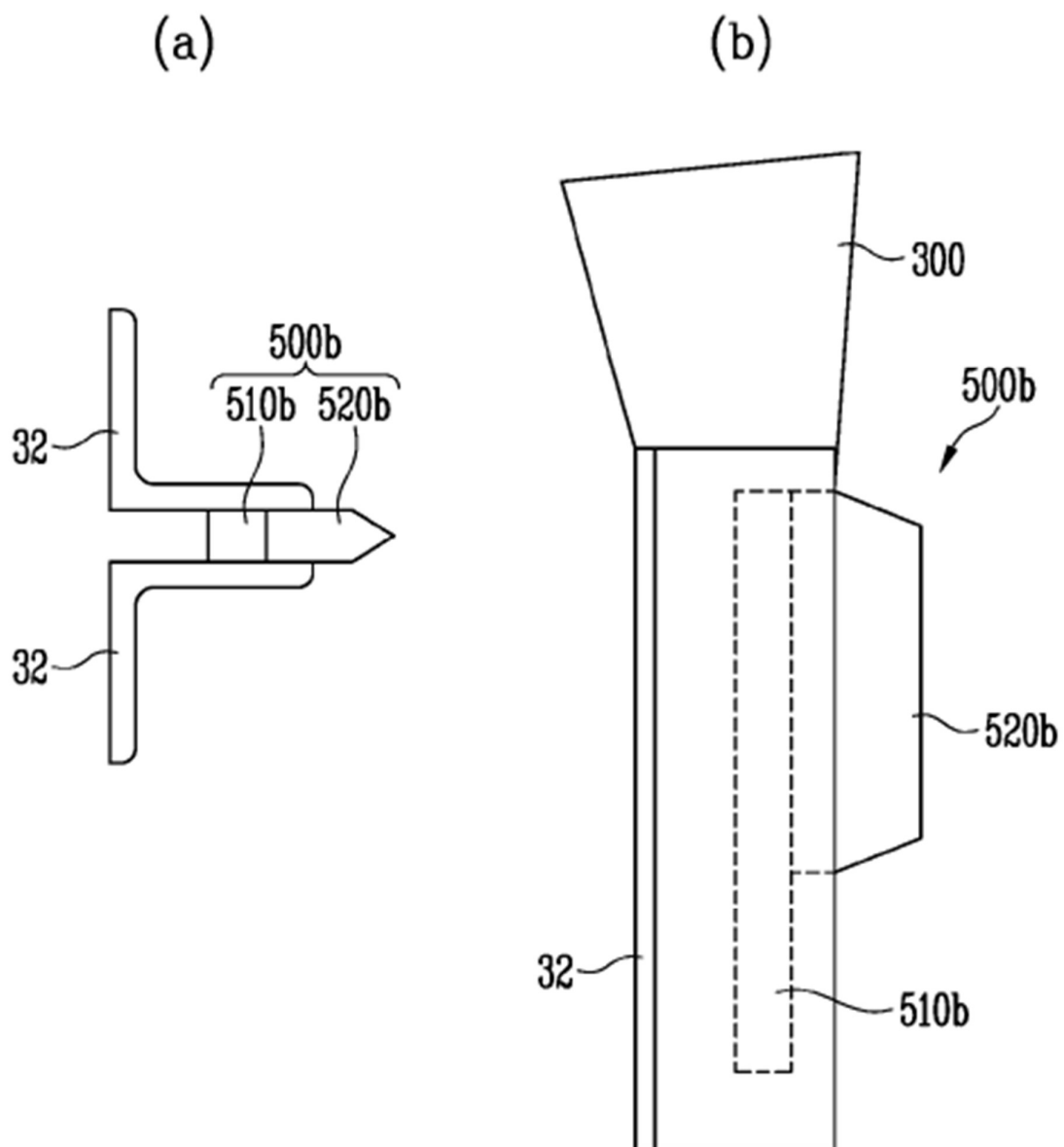


FIG. 38

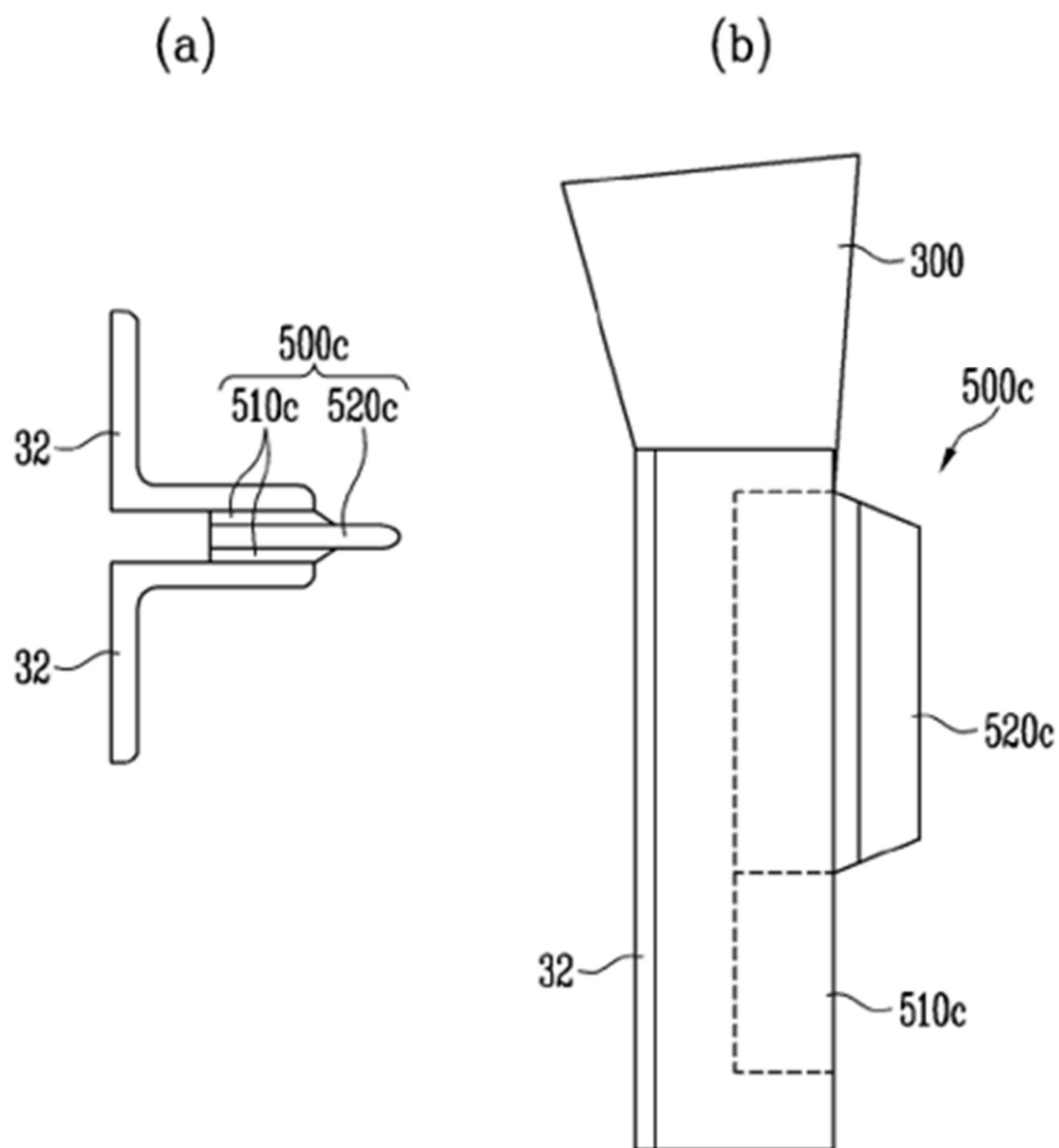


FIG. 39

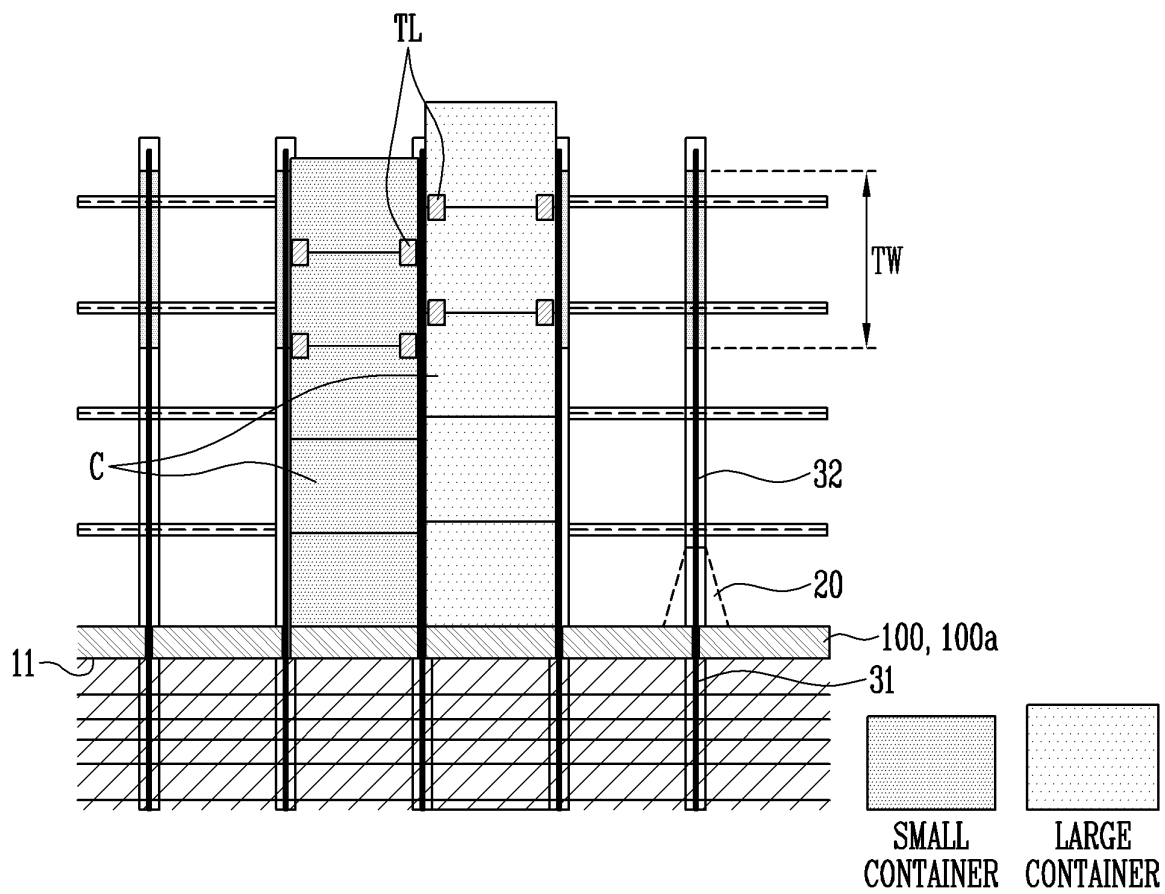


FIG. 40

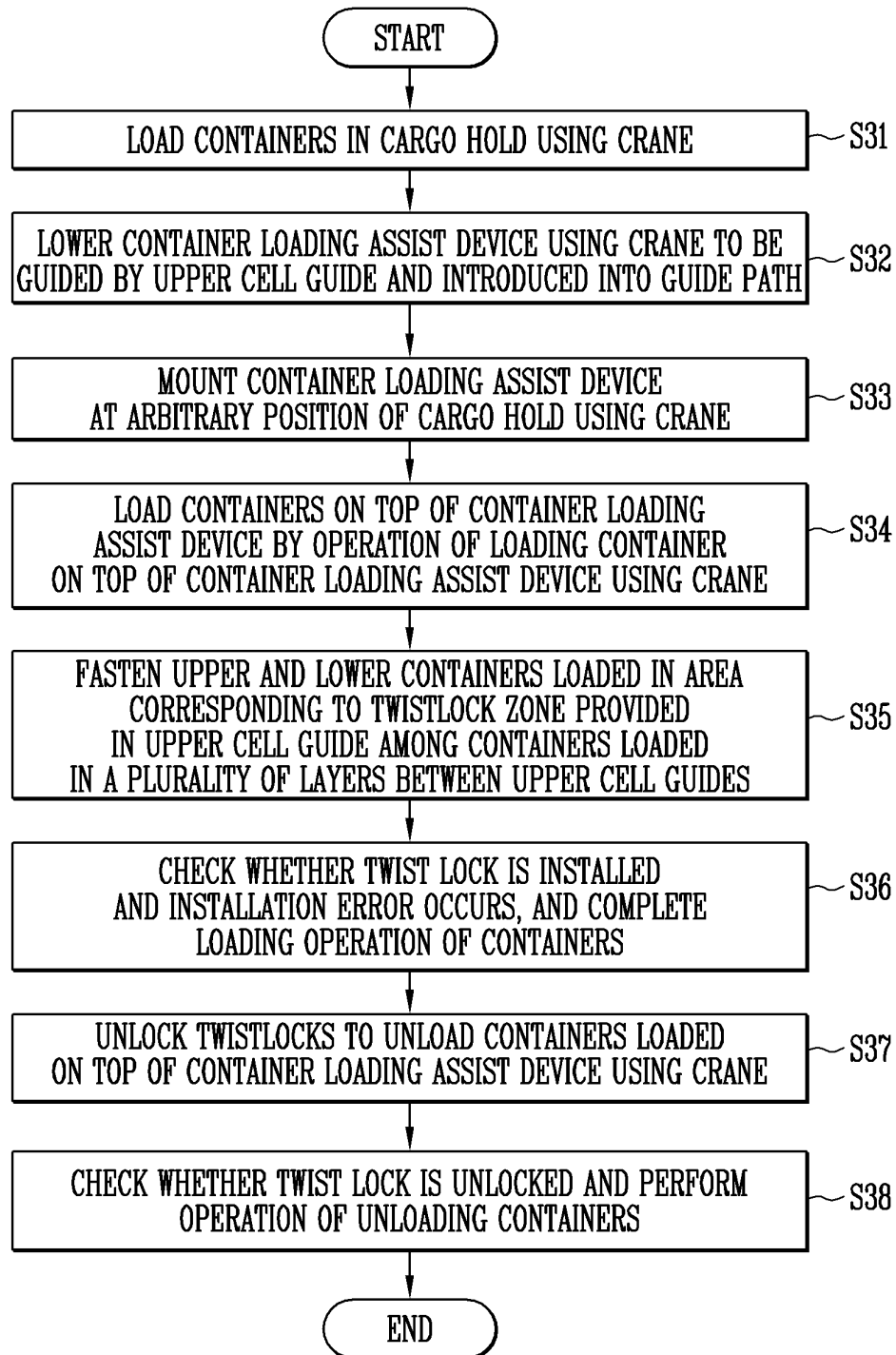


FIG. 41

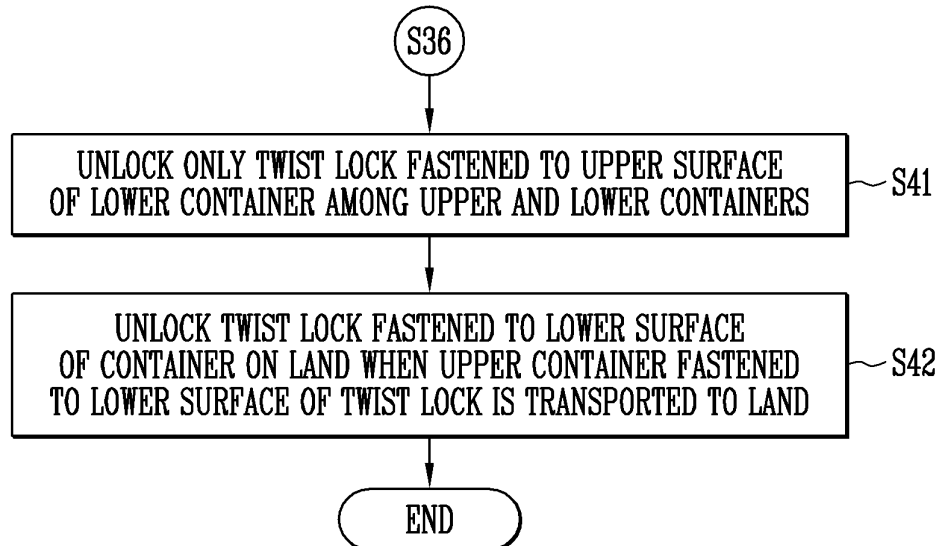


FIG. 42

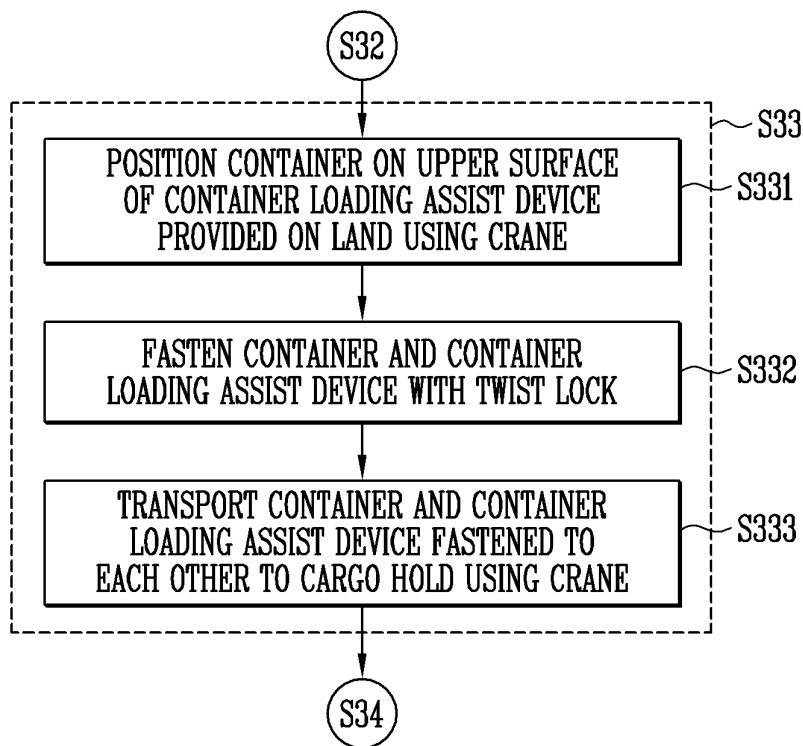


FIG. 43

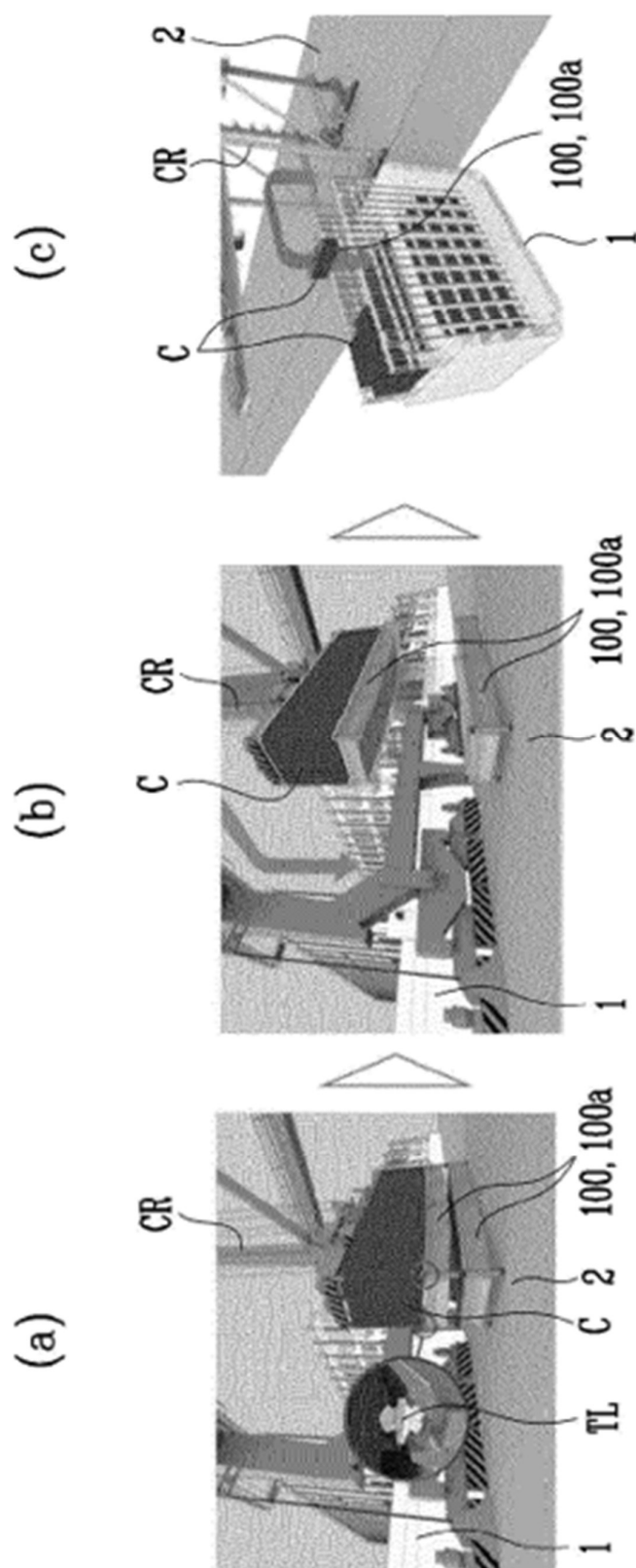


FIG. 44

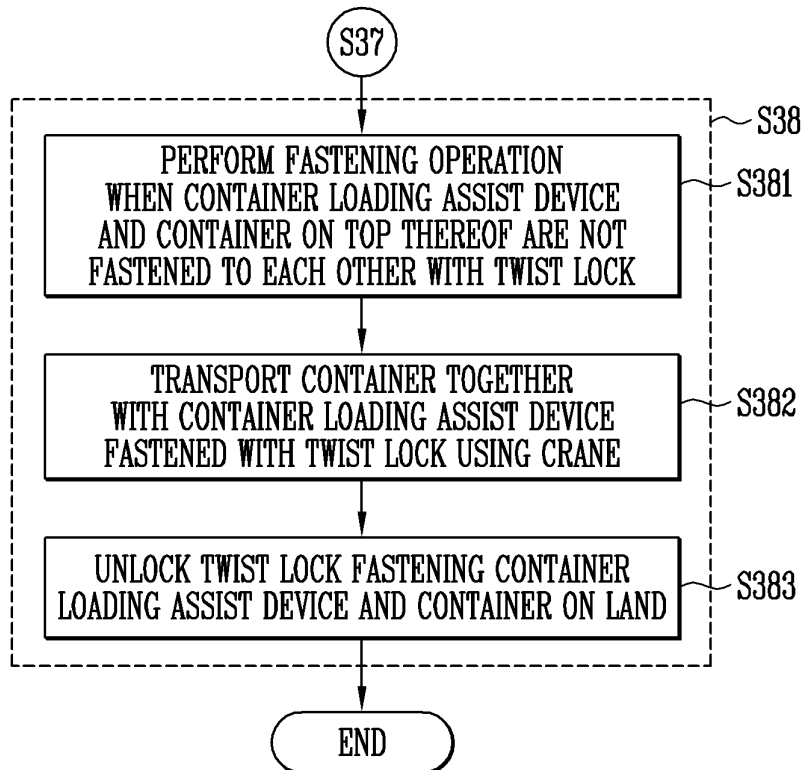


FIG. 45

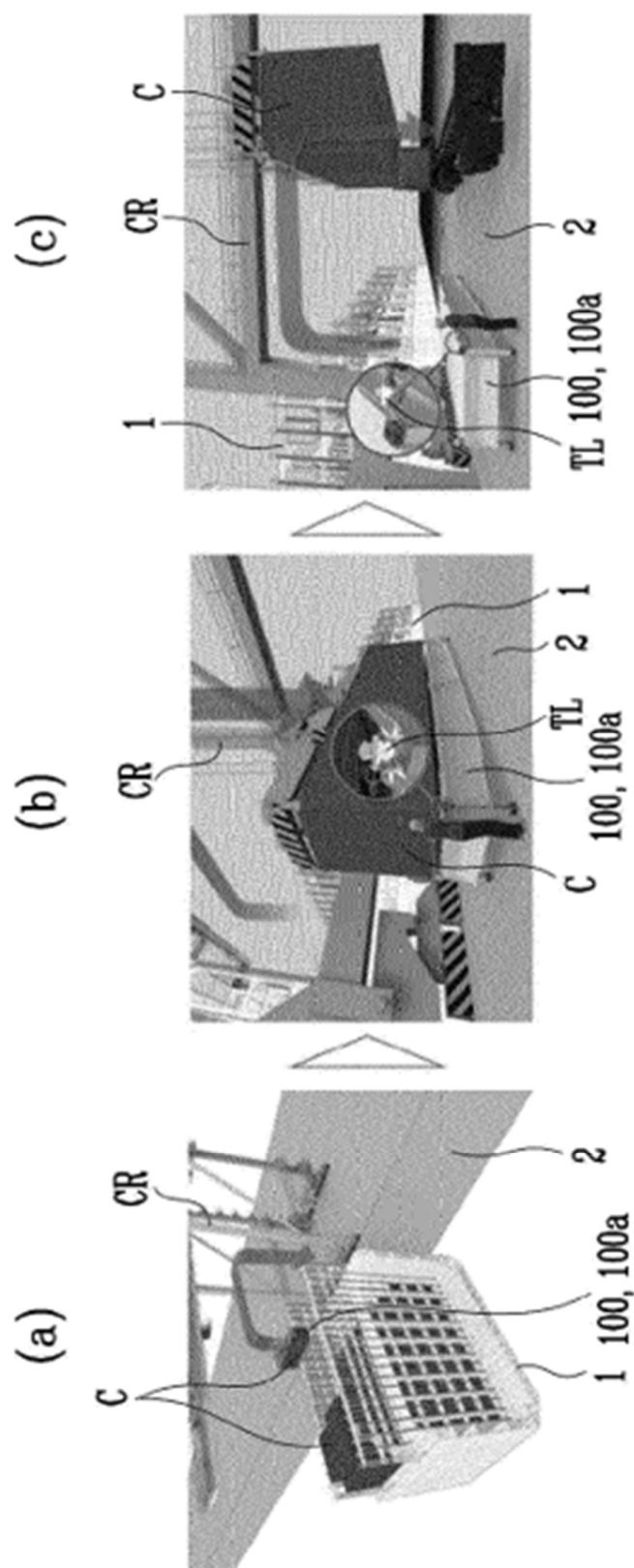


FIG. 46

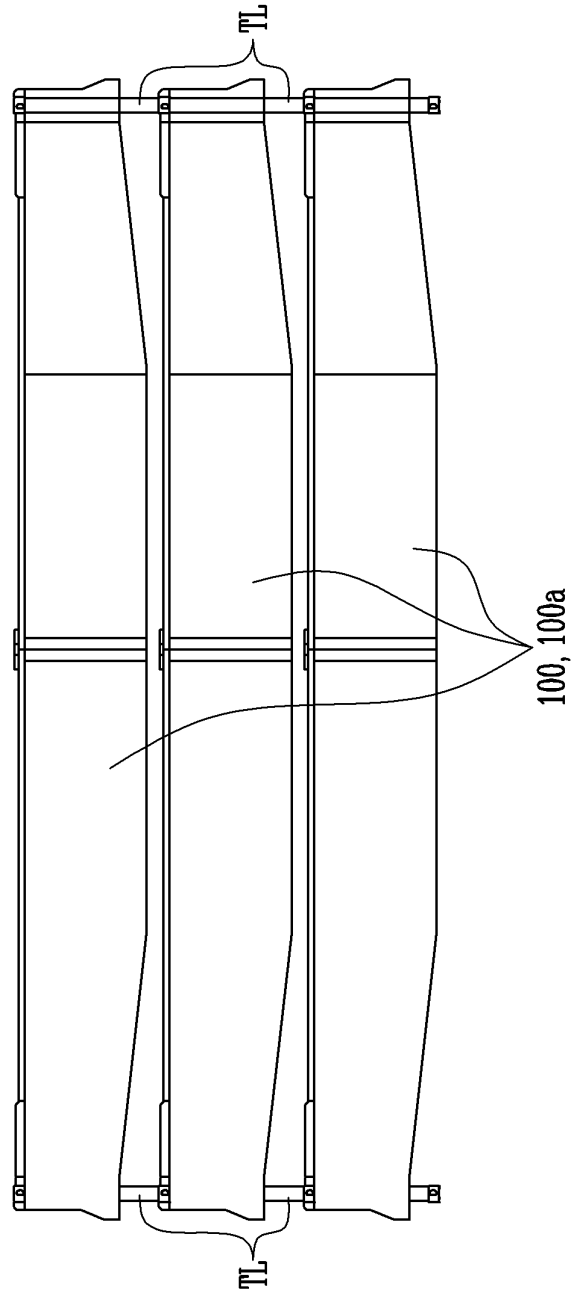


FIG. 47

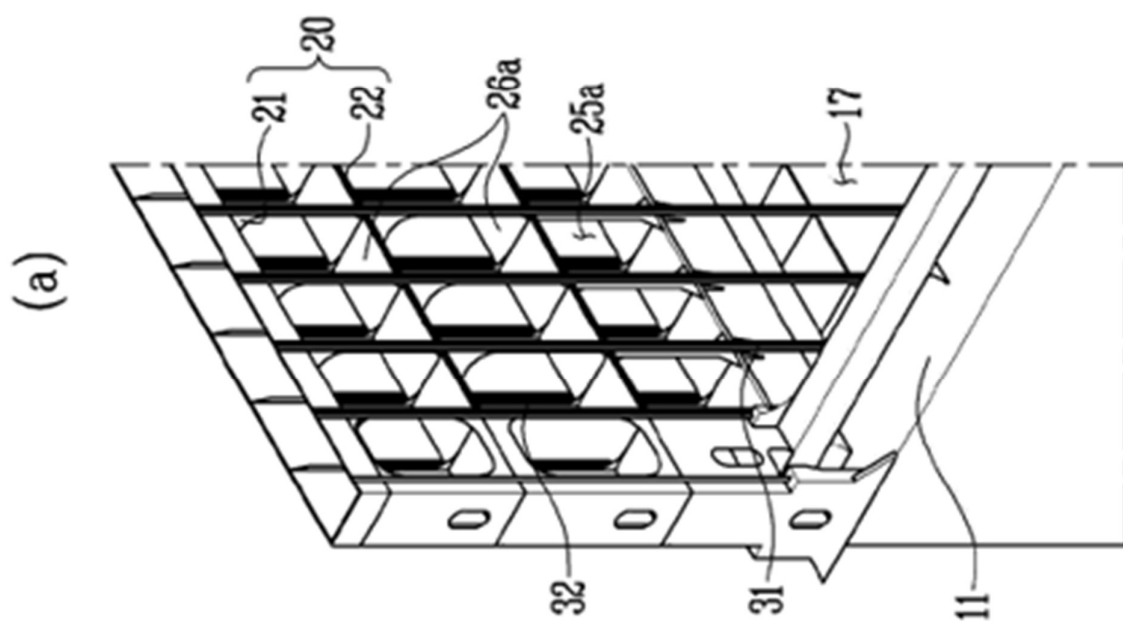
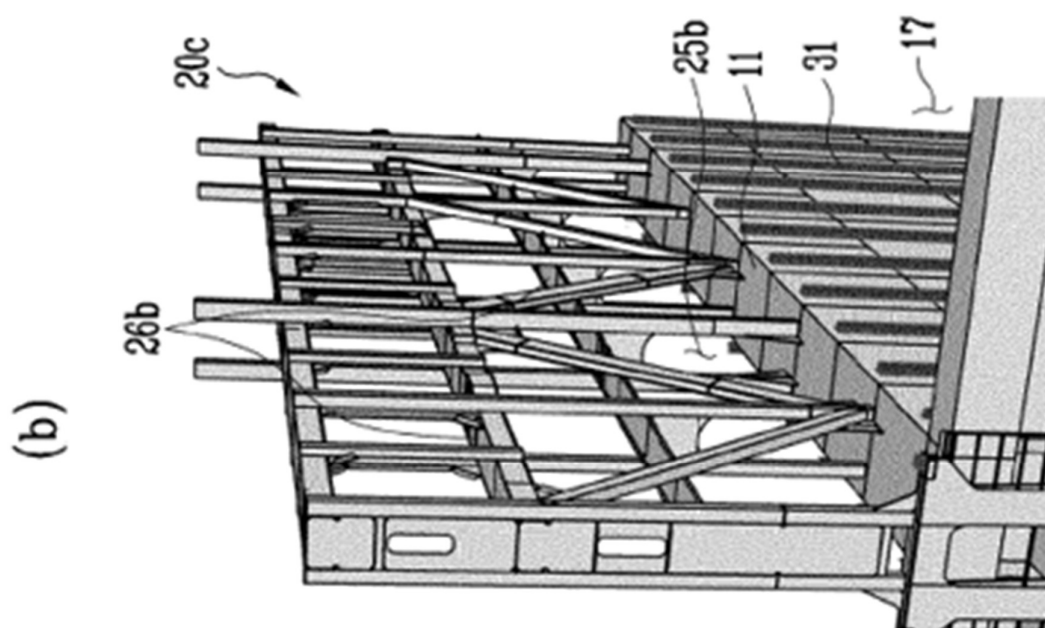


FIG. 48

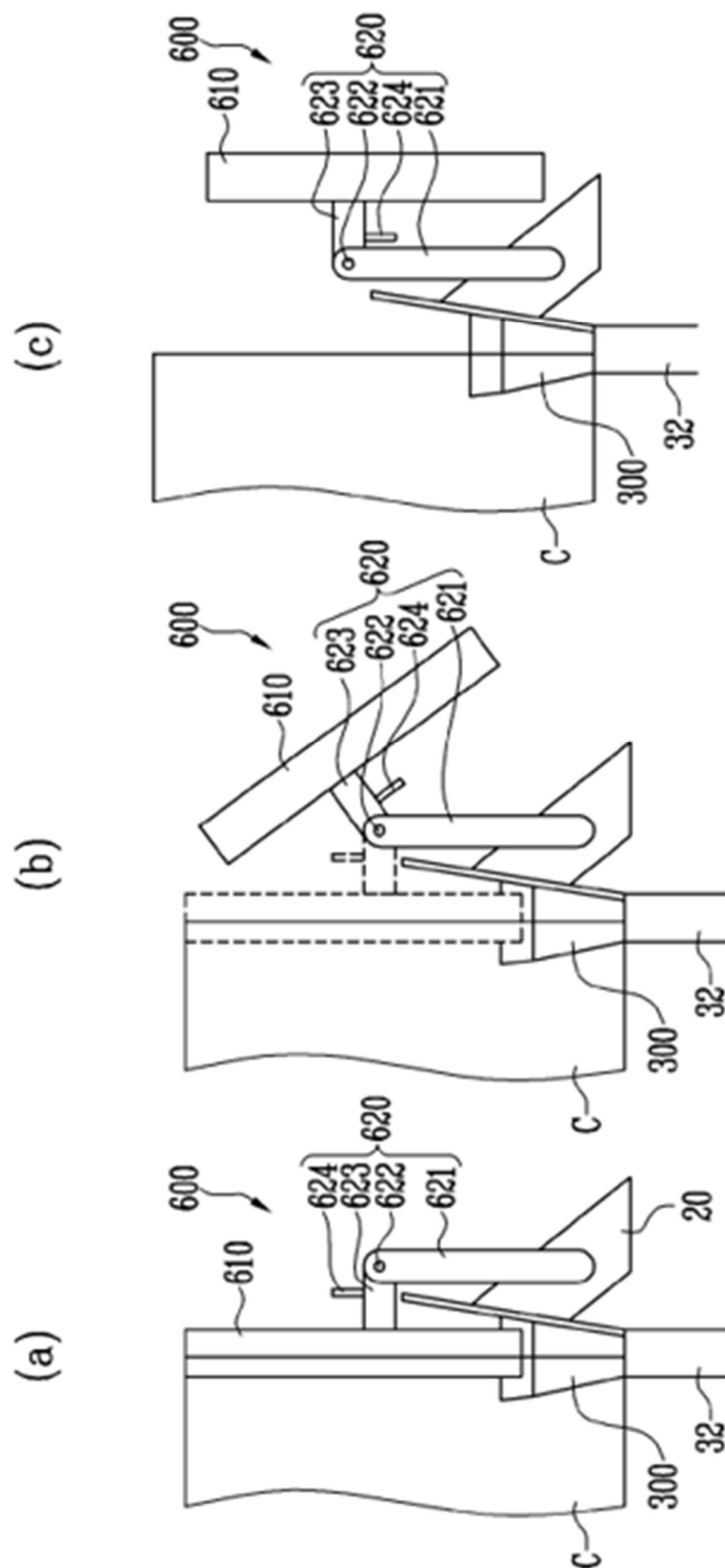


FIG. 49

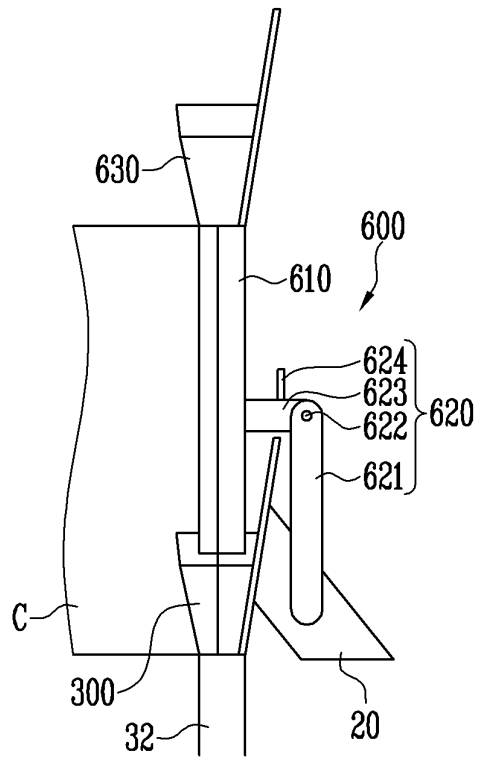


FIG. 50

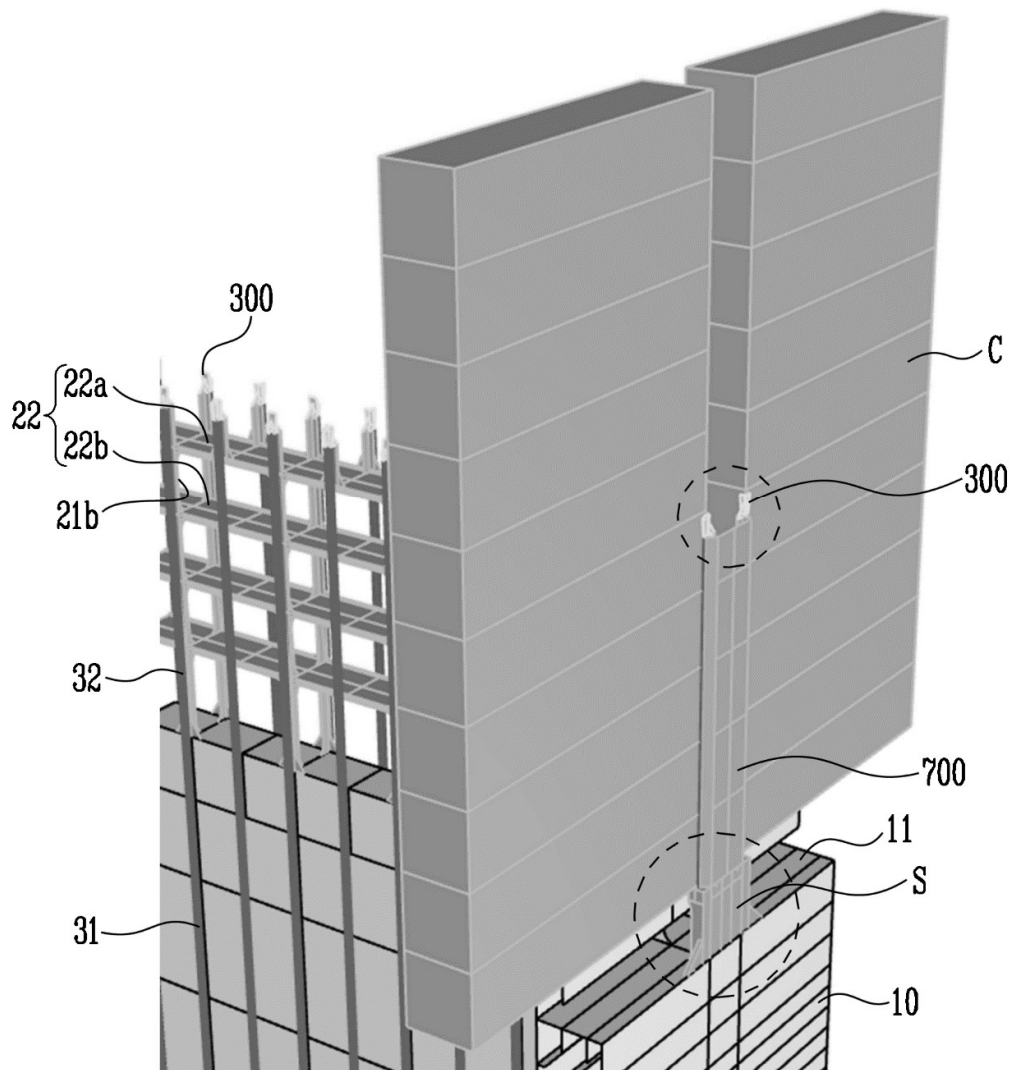


FIG. 51

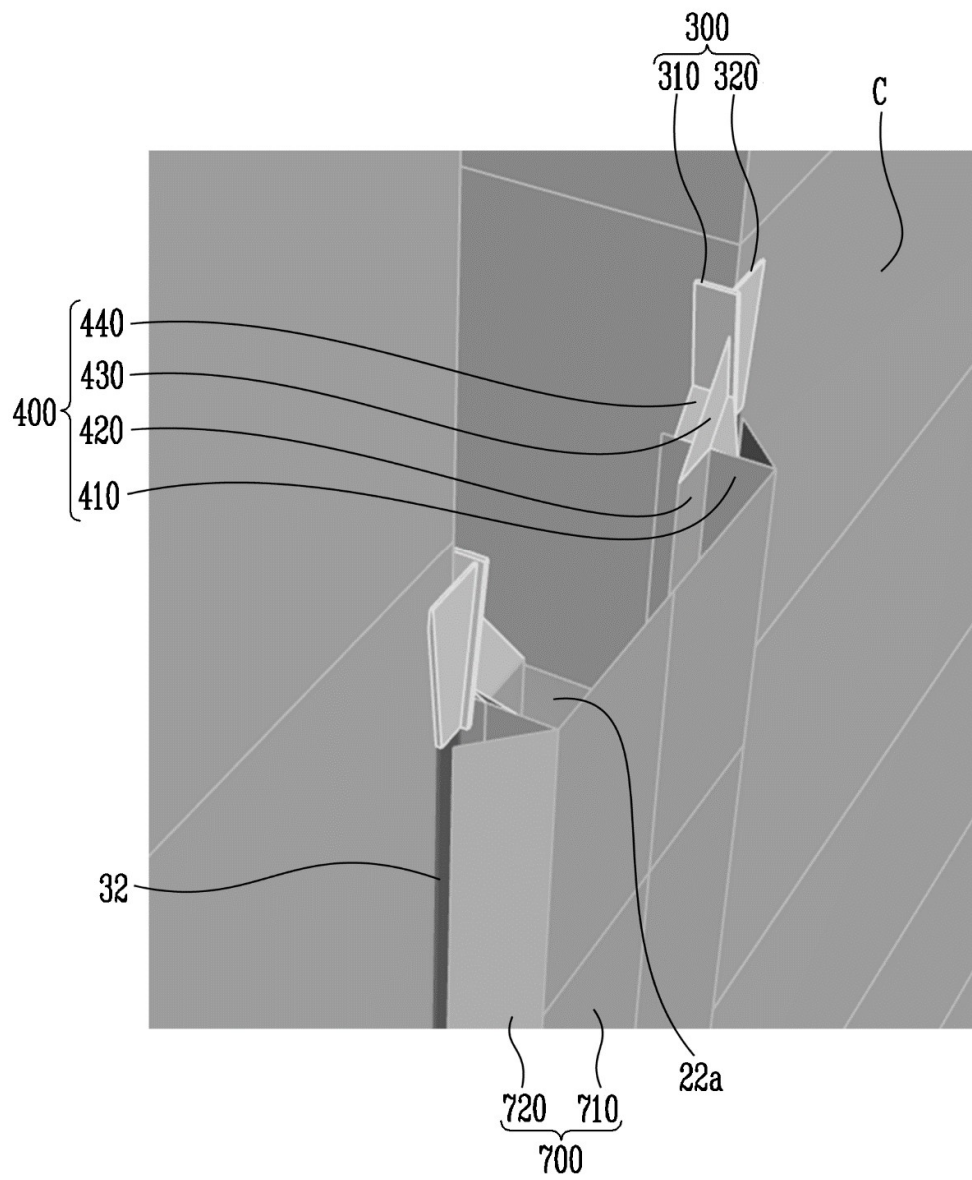


FIG. 52

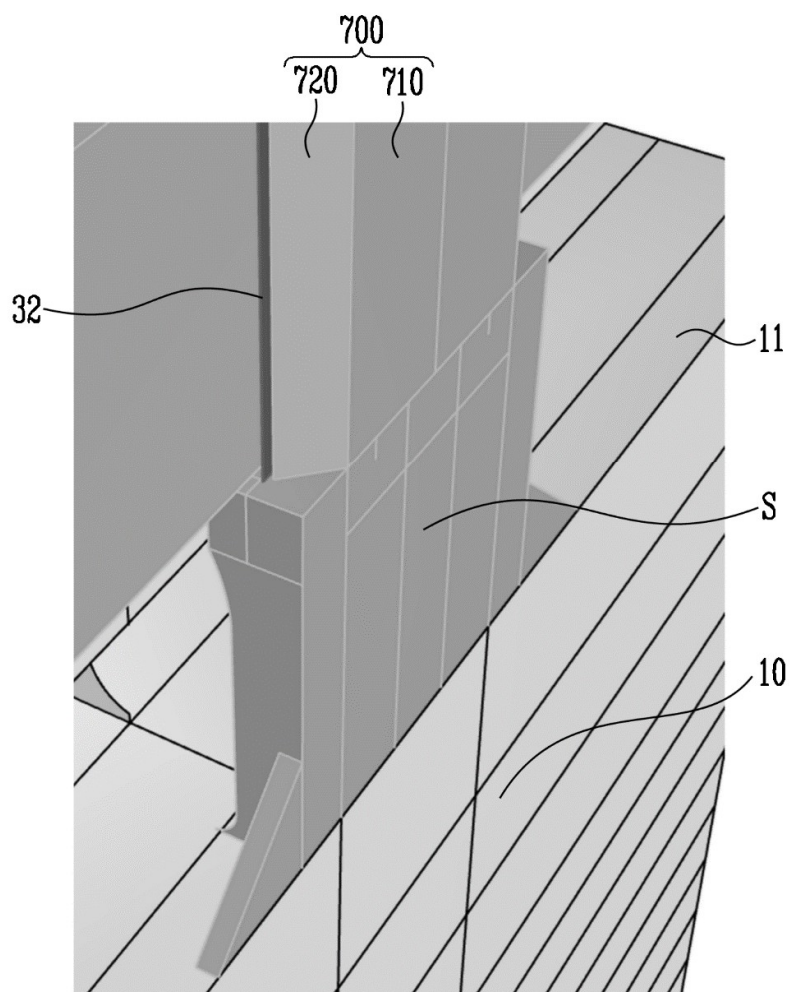


FIG. 53

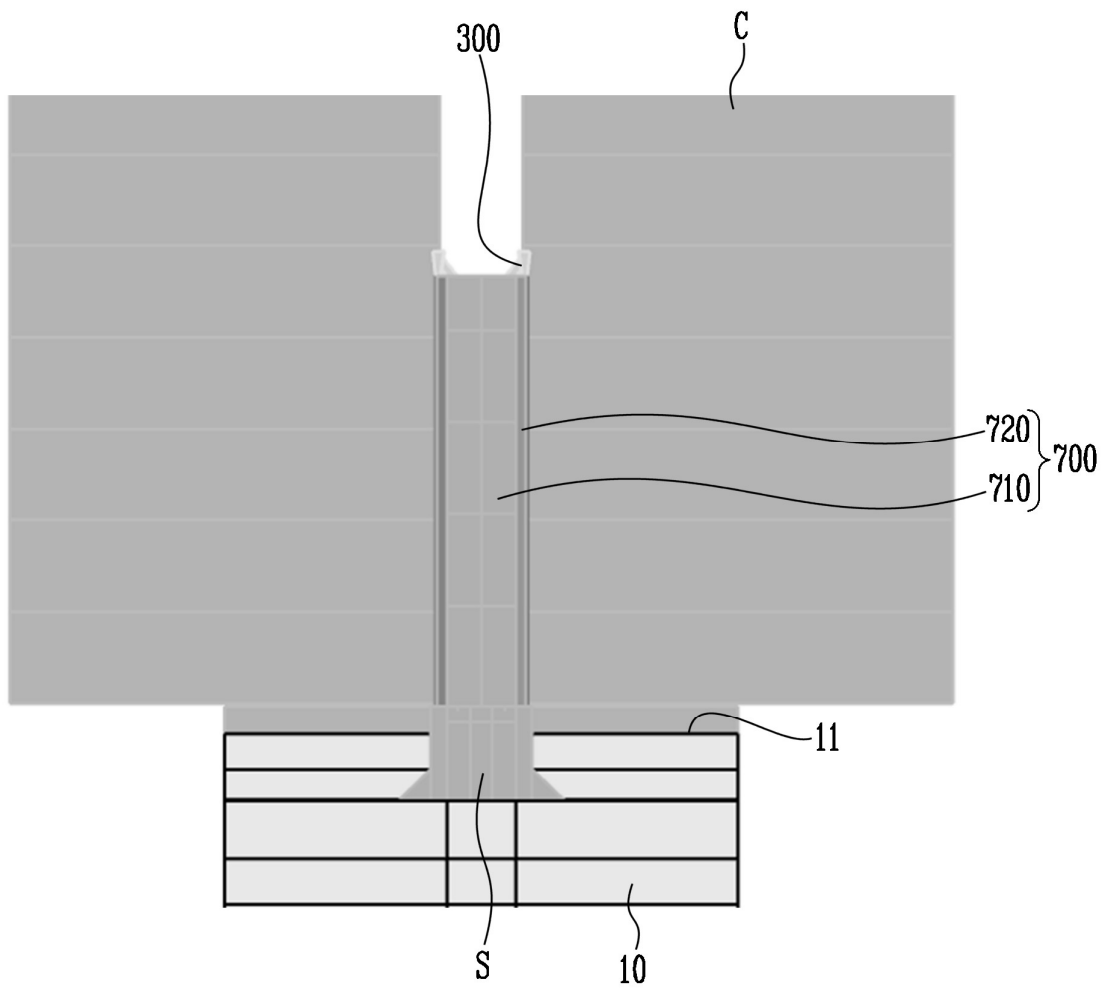


FIG. 54

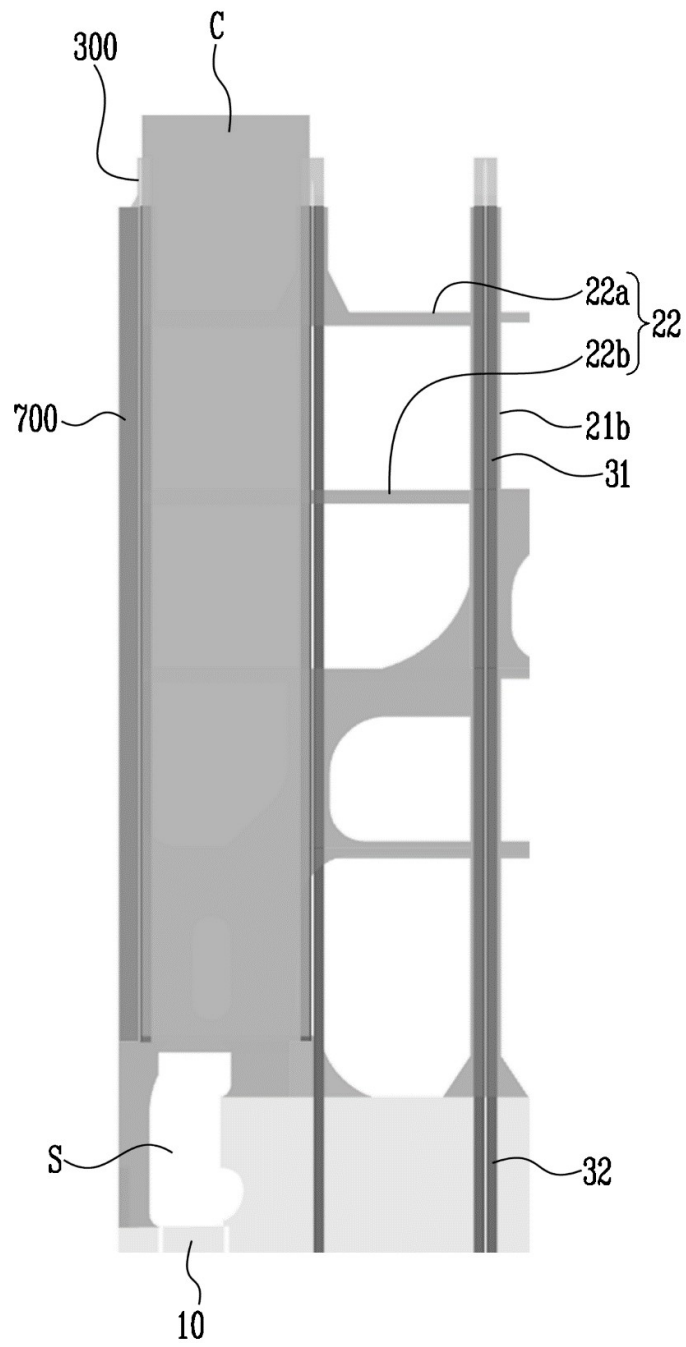


FIG. 55

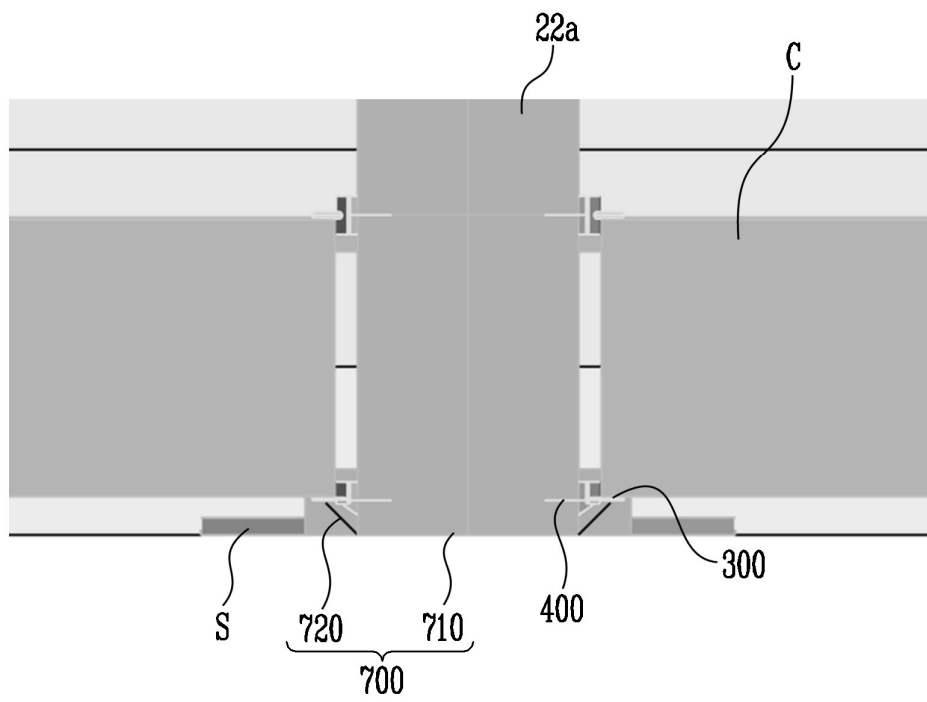


FIG. 56

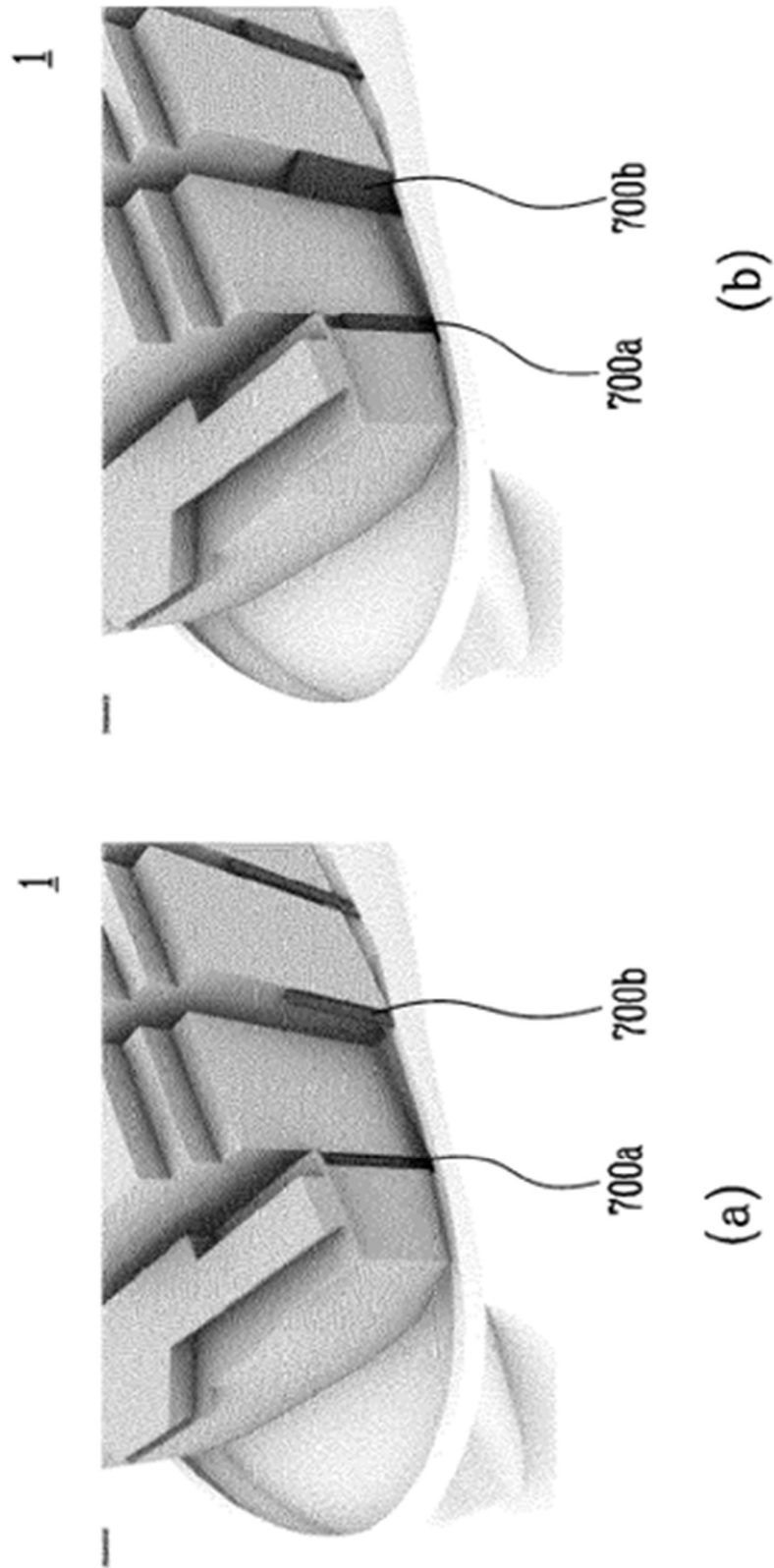


FIG. 57

