

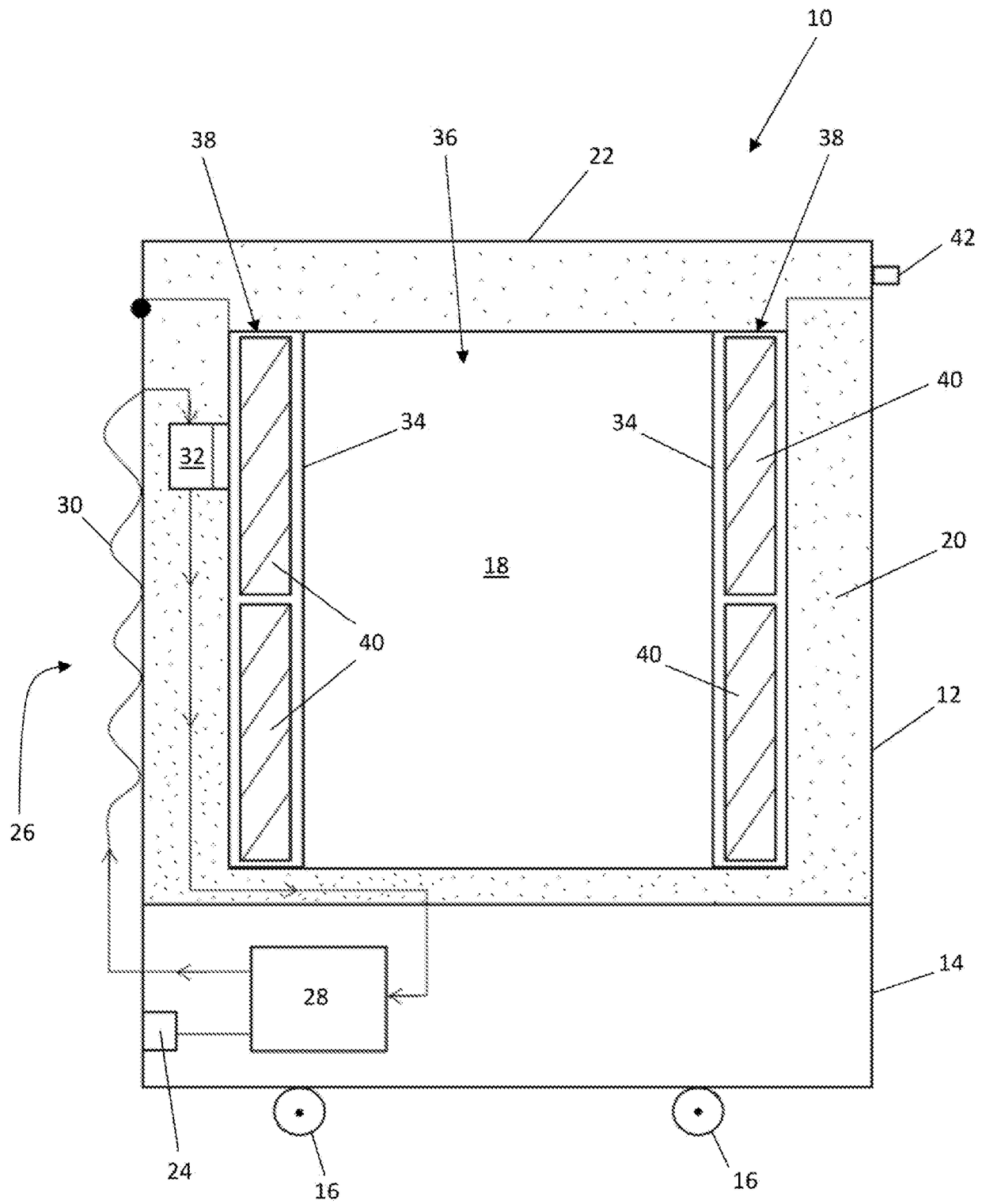


Fig. 1

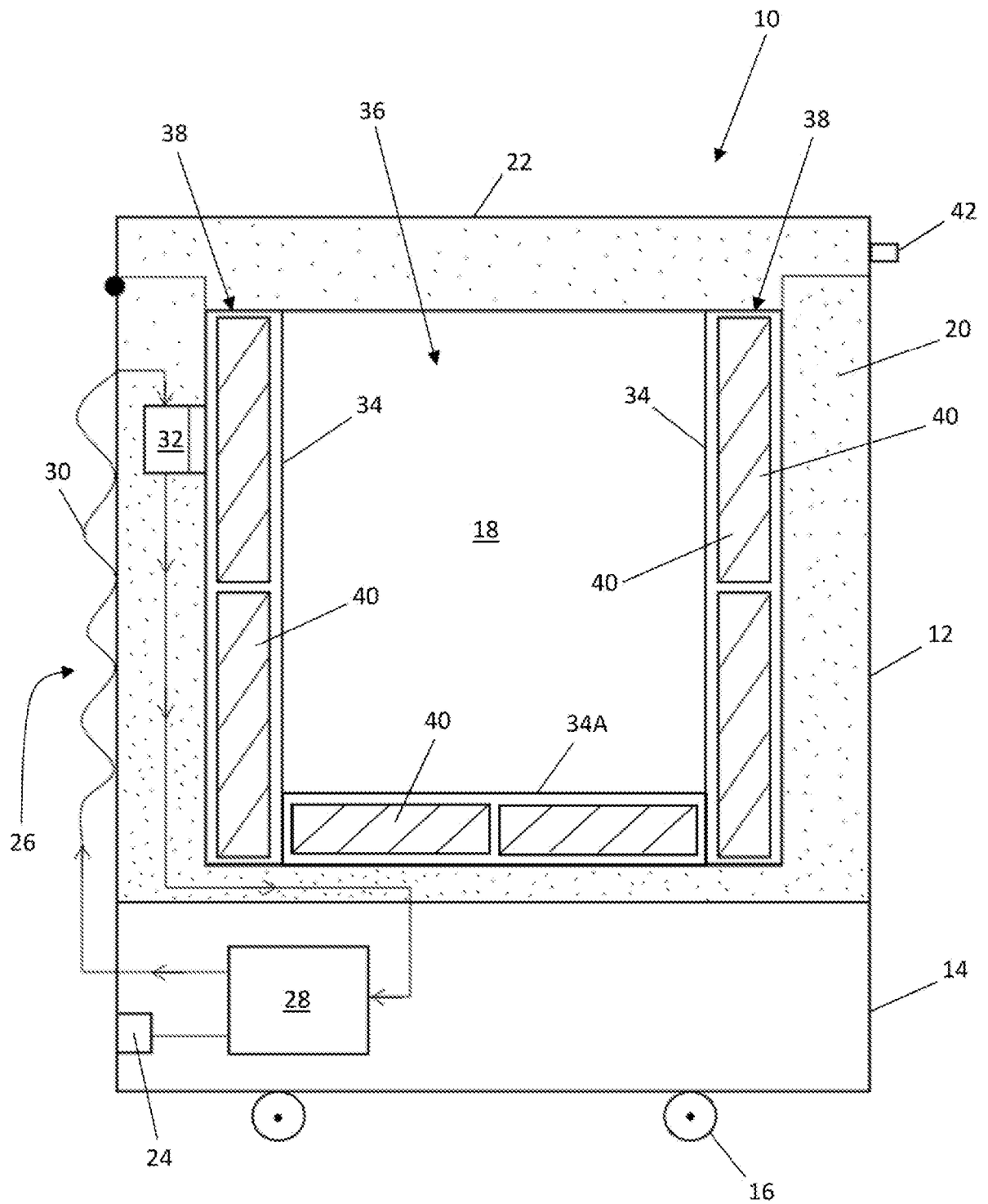


Fig. 2

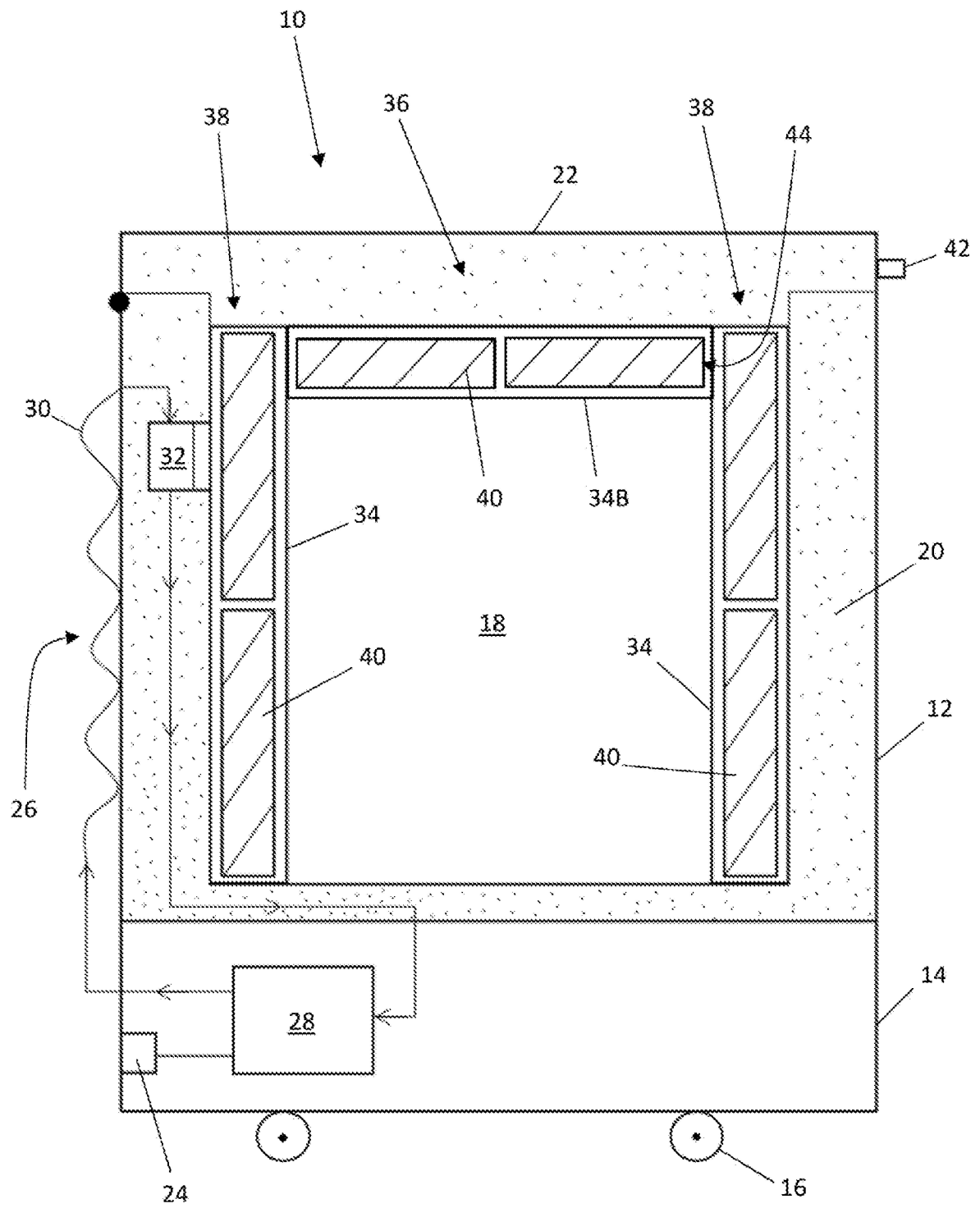


Fig. 3

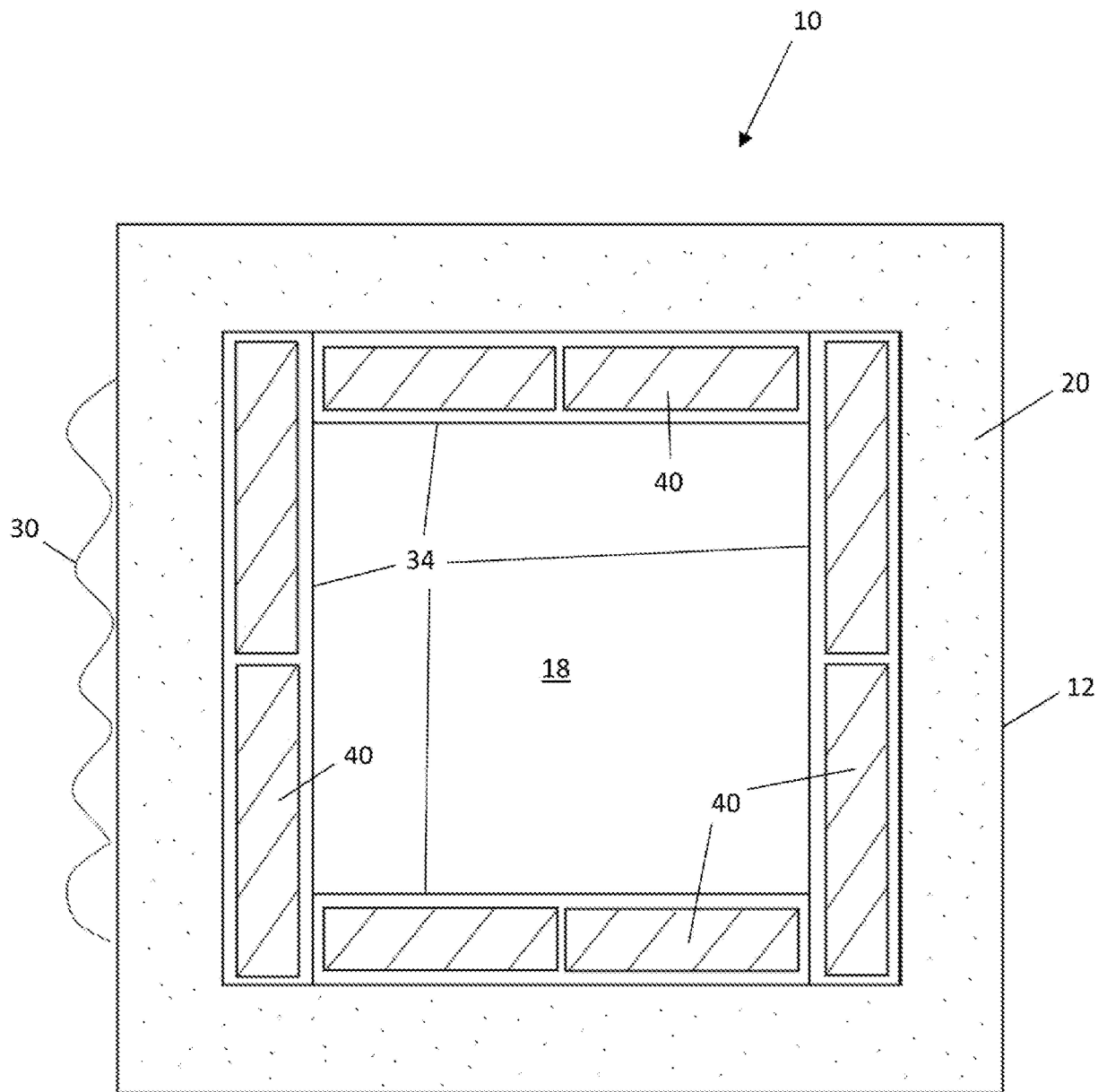


Fig. 4

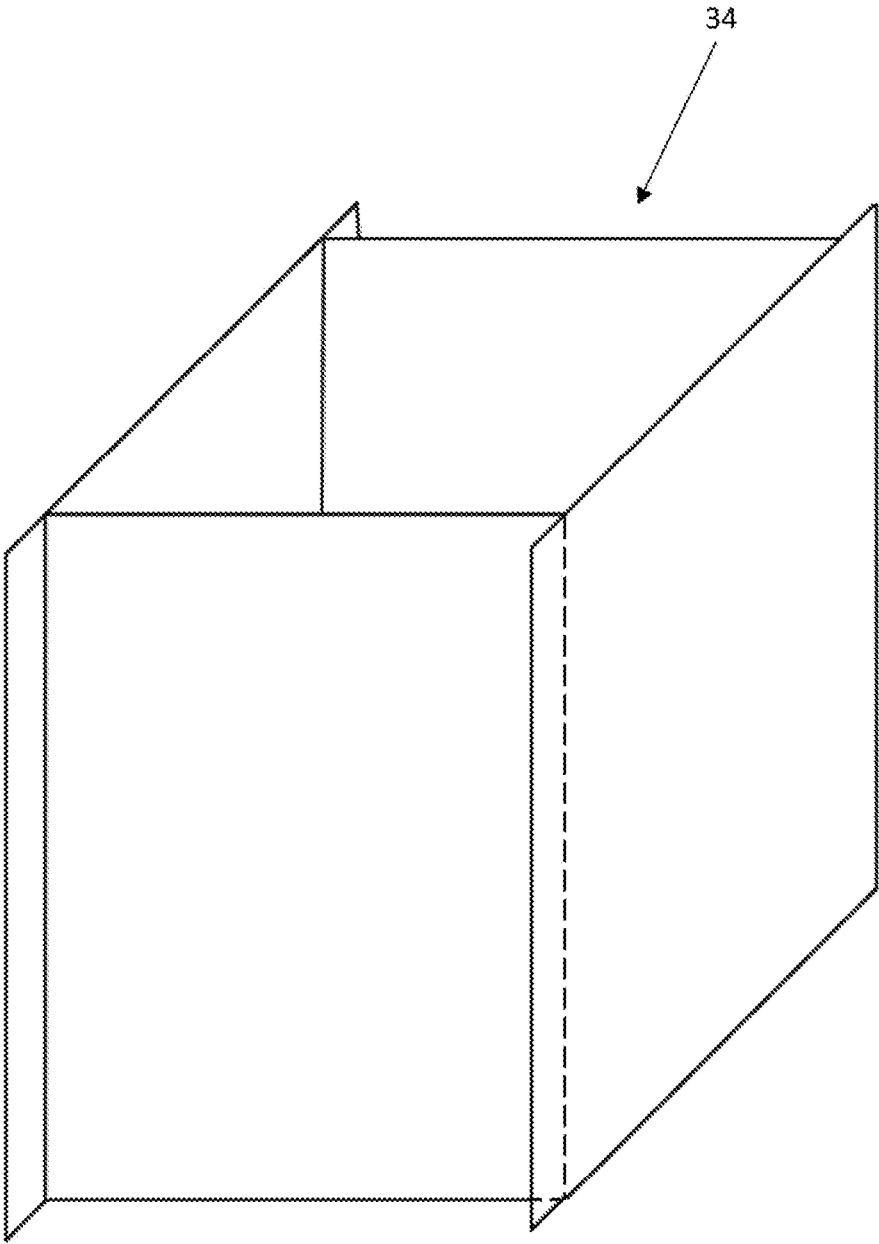


Fig. 5

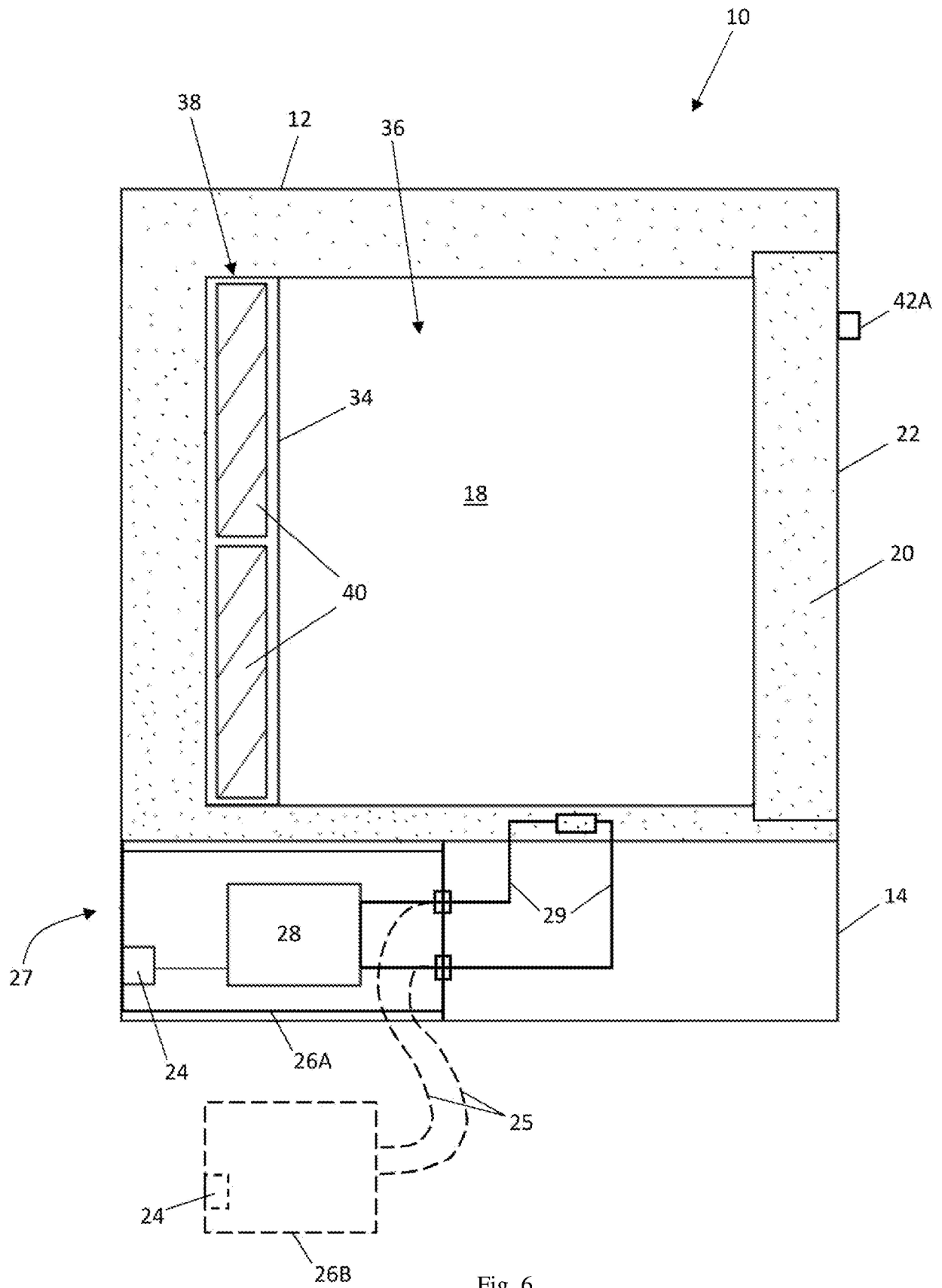
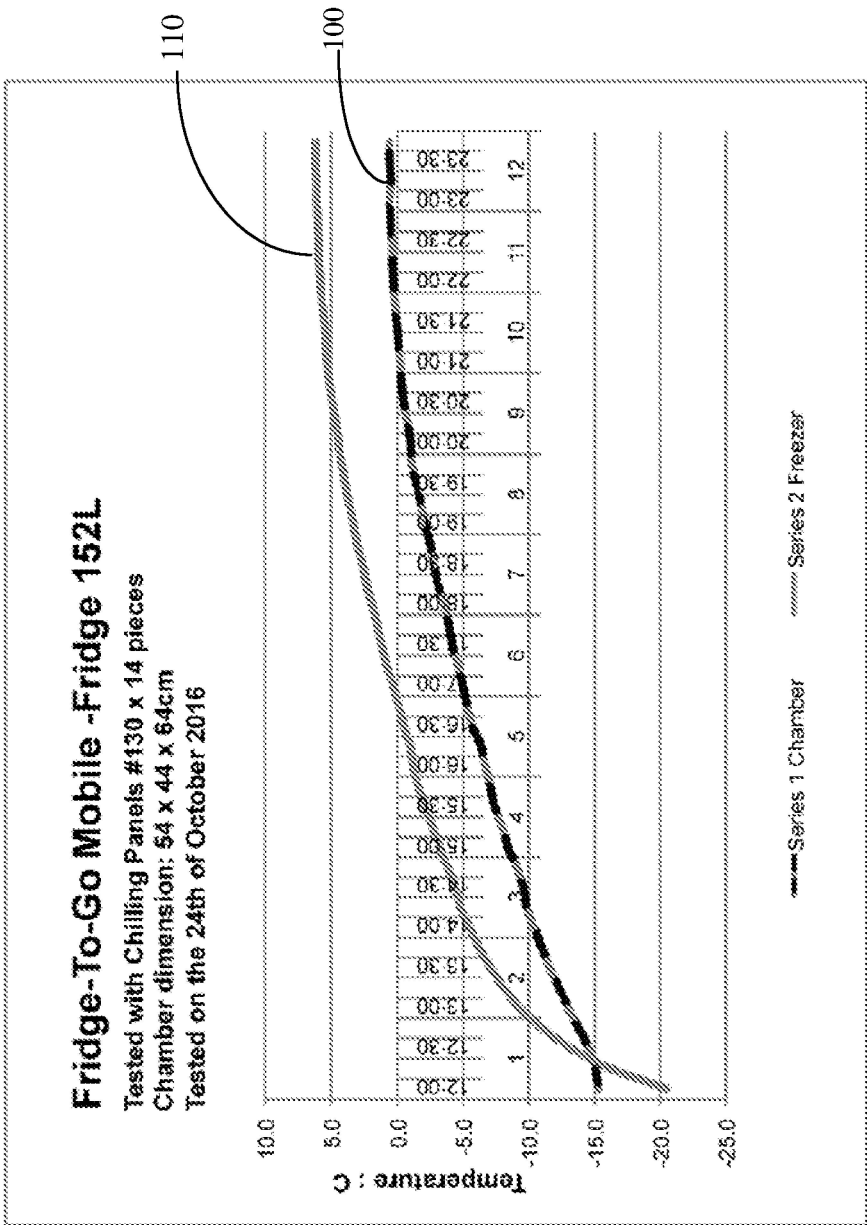


Fig. 6



TESTING PROTOCOL:

1. Ambient temperature was between 24C to 28C
2. Fridge-to-go Chilling Panels were placed in Freezer in temperature of -20C for 12 hours and then the freezer was switched OFF
3. A probe was set at the middle of freezer compartment on the right side to measure the change of temperature of The freezer after switching OFF
4. A probe was set at the middle of chamber to measure the temperature of the Chamber
5. Close the bonnet of the Mobile Fridge and testing commenced

Fig. 7

Hour	Duration	Series 1 Chamber	Series 2 Freezer
1	12:00	-15.3	-20.5
	12:15	-15.1	-16.2
	12:30	-14.6	-13.2
	12:45	-13.8	-11.0
2	13:00	-13.0	-9.3
	13:15	-12.3	-8.1
	13:30	-11.6	-7.1
	13:45	-11.0	-6.2
3	14:00	-10.4	-5.5
	14:15	-9.8	-4.8
	14:30	-9.6	-4.4
	14:45	-9.1	-3.8
4	15:00	-8.4	-3.2
	15:15	-8.0	-2.7
	15:30	-7.4	-2.1
	15:45	-7.1	-1.6
5	16:00	-6.7	-1.2
	16:15	-6.4	-1.0
	16:30	-5.7	-0.5
	16:45	-5.3	-0.1
6	17:00	-5.0	0.3
	17:15	-4.6	0.8
	17:30	-4.2	1.2
	17:45	-3.9	1.5
7	18:00	-3.6	1.9
	18:15	-3.1	2.3
	18:30	-2.8	2.6
	18:45	-2.5	3.0
8	19:00	-2.1	3.3
	19:15	-1.8	3.6
	19:30	-1.5	3.9
	19:45	-1.1	4.2
9	20:00	-1.0	4.4
	20:15	-0.8	4.6
	20:30	-0.5	4.9
	20:45	-0.3	5.1
10	21:00	-0.2	5.3
	21:15	-0.1	5.4
	21:30	0.0	5.5
	21:45	0.2	5.7
11	22:00	0.3	5.8
	22:15	0.4	5.9
	22:30	0.4	5.9
	22:45	0.5	6.0
12	23:00	0.6	6.1
	23:15	0.5	6.1
	23:30	0.6	6.2
	23:45	0.6	6.2

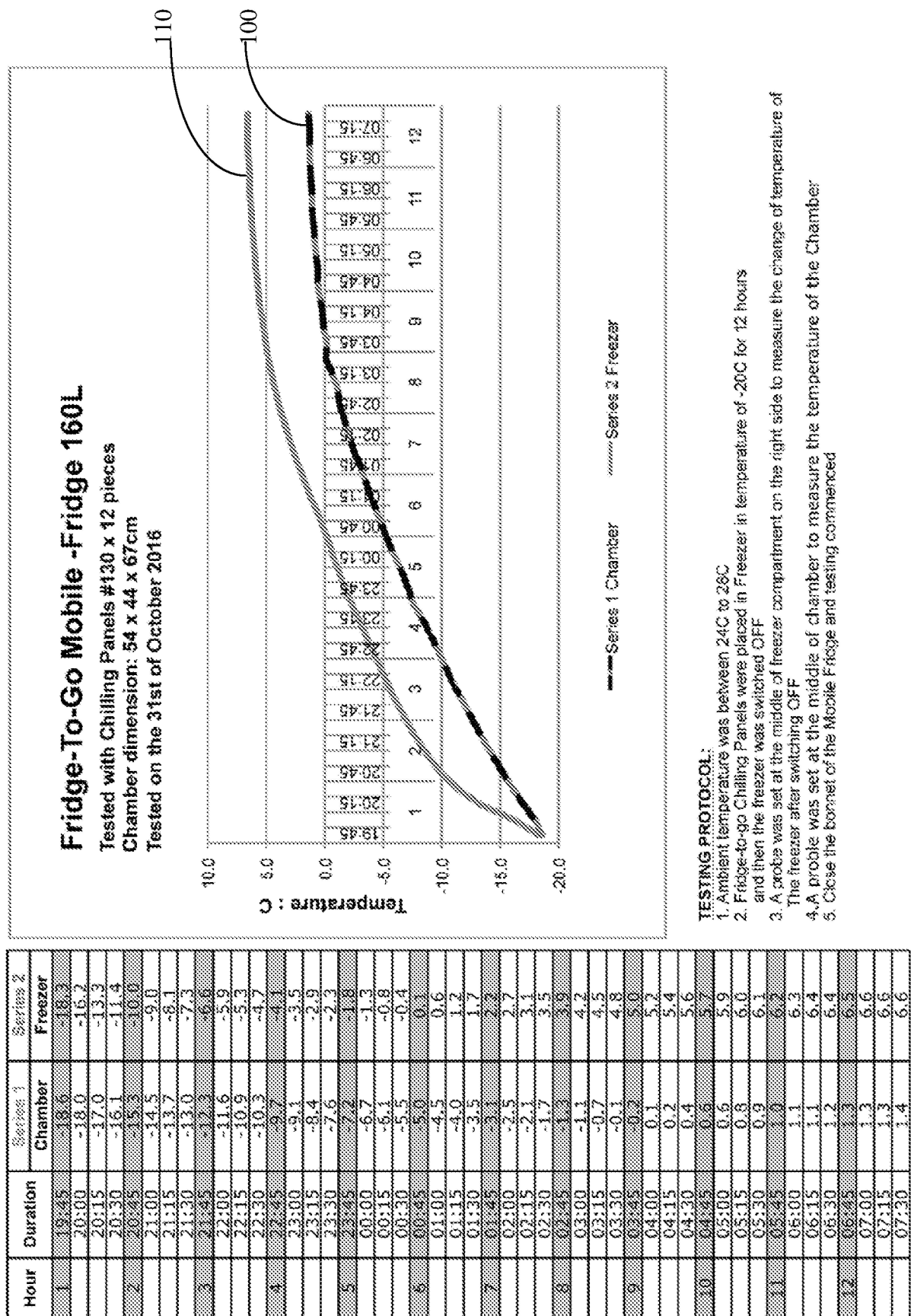


Fig. 8

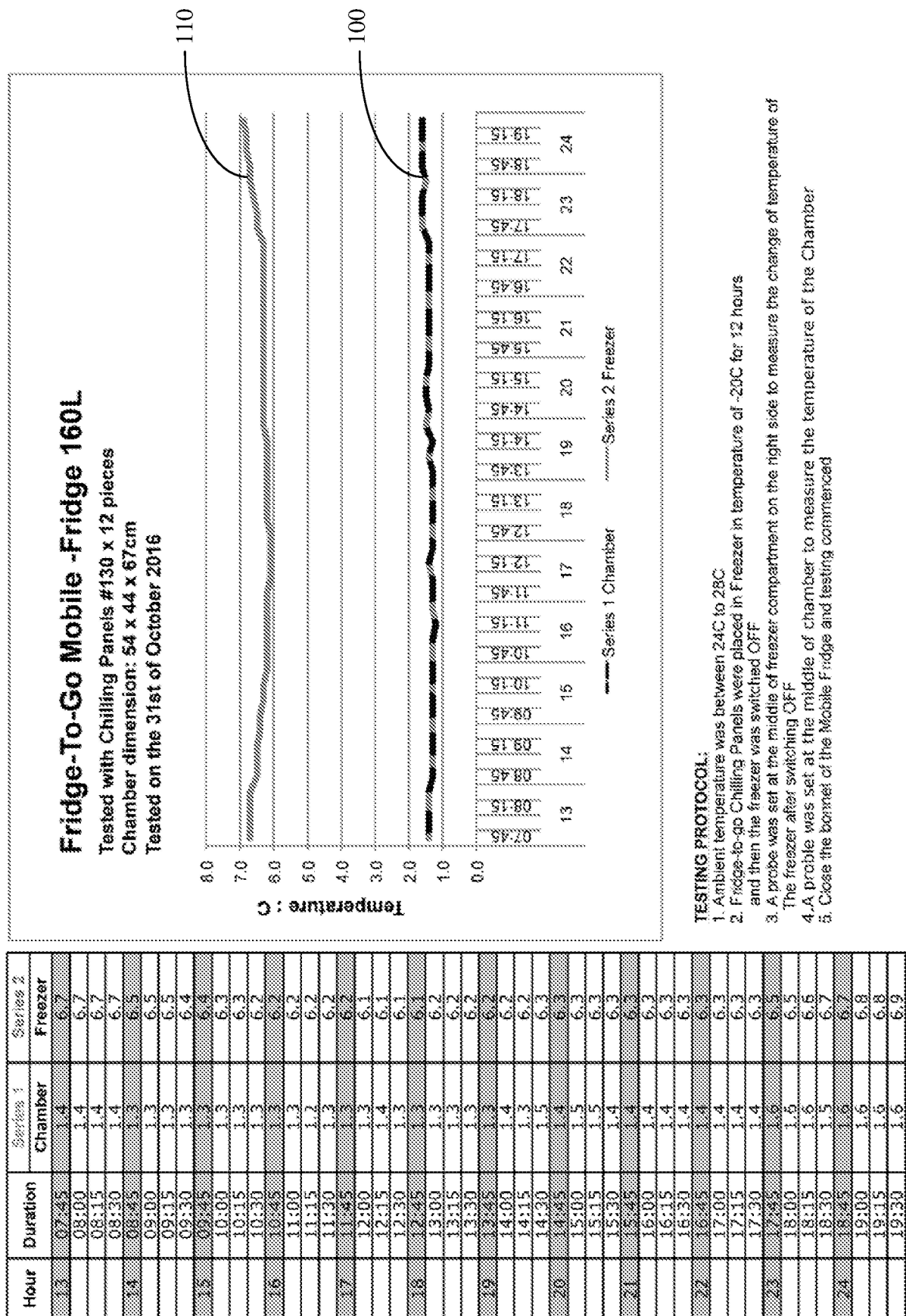


Fig. 9

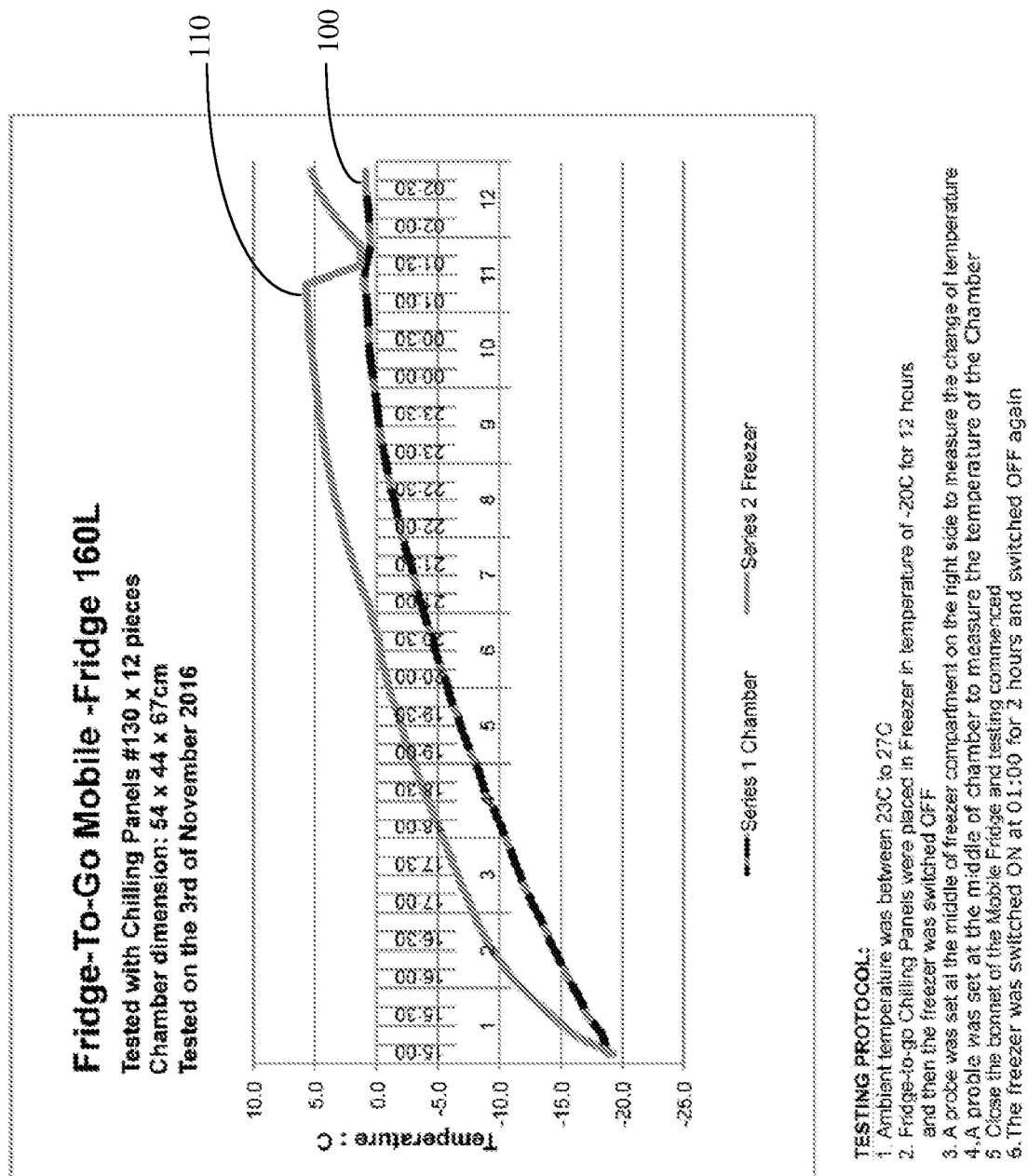
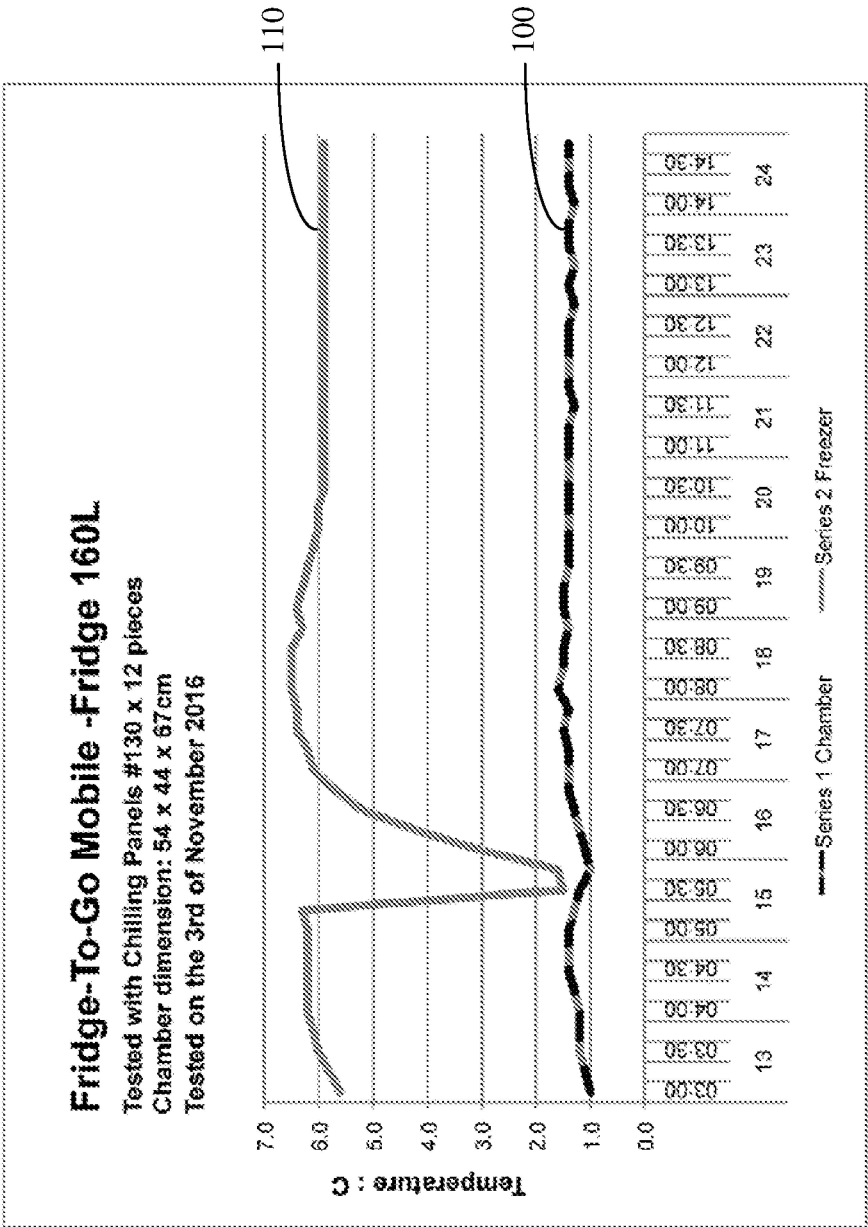


Fig. 10

Hour	Duration	Series 1 Chamber	Series 2 Freezer
1	15:00	-18.9	-19.3
	15:15	-18.4	-16.1
	15:30	-17.2	-14.3
	15:45	-16.5	-12.6
2	16:00	-15.6	-11.1
	16:15	-14.9	-10.0
	16:30	-14.1	-9.0
	16:45	-13.5	-8.2
3	17:00	-12.7	-7.6
	17:15	-12.0	-6.9
	17:30	-11.4	-6.3
	17:45	-10.8	-5.7
4	18:00	-10.2	-5.1
	18:15	-9.6	-4.5
	18:30	-8.8	-3.9
	18:45	-8.4	-3.3
5	19:00	-7.7	-2.7
	19:15	-7.1	-2.2
	19:30	-6.6	-1.8
	19:45	-6.0	-1.2
6	20:00	-5.6	-0.8
	20:15	-5.0	-0.4
	20:30	-4.6	-0.2
	20:45	-4.1	0.3
7	21:00	-3.6	0.7
	21:15	-3.2	1.3
	21:30	-2.8	1.8
	21:45	-2.3	2.3
8	22:00	-1.9	2.7
	22:15	-1.6	3.1
	22:30	-1.2	3.5
	22:45	-0.9	3.8
9	23:00	-0.8	4.1
	23:15	-0.3	4.4
	23:30	-0.1	4.6
	23:45	0.1	4.8
10	00:00	0.3	5.0
	00:15	0.5	5.2
	00:30	0.7	5.4
	00:45	0.7	5.5
11	01:00	0.8	5.6
	01:15	1.0	5.7
	01:30	0.9	1.3
	01:45	0.5	1.3
12	02:00	0.6	2.7
	02:15	0.7	3.8
	02:30	0.9	4.7
	02:45	0.9	5.3



TESTING PROTOCOL:

1. Ambient temperature was between 23C to 27C
2. Fridge-to-go Chilling Panels were placed in Freezer in temperature of -20C for 12 hours and then the freezer was switched OFF
3. A probe was set at the middle of freezer compartment on the right side to measure the change of temperature of the freezer after switching OFF
4. A probe was set at the middle of chamber to measure the temperature of the Chamber
5. Close the bonnet of the Mobile Fridge and testing commenced
6. The freezer was switched ON at 05:00 for 2 hours and switched OFF again.

Hour	Duration	Series 1		Series 2	
		Chamber	Freezer	Chamber	Freezer
13	03:00	1.0	5.6		
	03:15	1.1	5.8		
	03:30	1.2	6.0		
	03:45	1.2	6.1		
14	04:00	1.2	6.2		
	04:15	1.3	6.2		
	04:30	1.4	6.2		
	04:45	1.4	6.2		
15	05:00	1.4	6.2		
	05:15	1.3	6.3		
	05:30	1.2	1.5		
	05:45	1.0	1.6		
16	06:00	1.1	2.0		
	06:15	1.2	4.2		
	06:30	1.3	5.2		
	06:45	1.4	5.7		
17	07:00	1.4	6.1		
	07:15	1.4	6.2		
	07:30	1.5	6.4		
	07:45	1.4	6.4		
18	08:00	1.6	6.5		
	08:15	1.5	6.5		
	08:30	1.5	6.5		
	08:45	1.4	6.3		
19	09:00	1.5	6.4		
	09:15	1.5	6.3		
	09:30	1.4	6.2		
	09:45	1.4	6.1		
20	10:00	1.4	6.0		
	10:15	1.4	6.0		
	10:30	1.4	5.9		
	10:45	1.4	5.9		
21	11:00	1.4	5.9		
	11:15	1.4	5.9		
	11:30	1.3	5.9		
	11:45	1.4	5.9		
22	12:00	1.4	5.9		
	12:15	1.4	5.9		
	12:30	1.4	5.9		
	12:45	1.3	5.9		
23	13:00	1.4	5.9		
	13:15	1.3	5.9		
	13:30	1.4	5.9		
	13:45	1.4	5.9		
24	14:00	1.3	5.9		
	14:15	1.4	5.9		
	14:30	1.4	5.9		
	14:45	1.4	5.9		

Fig. 11

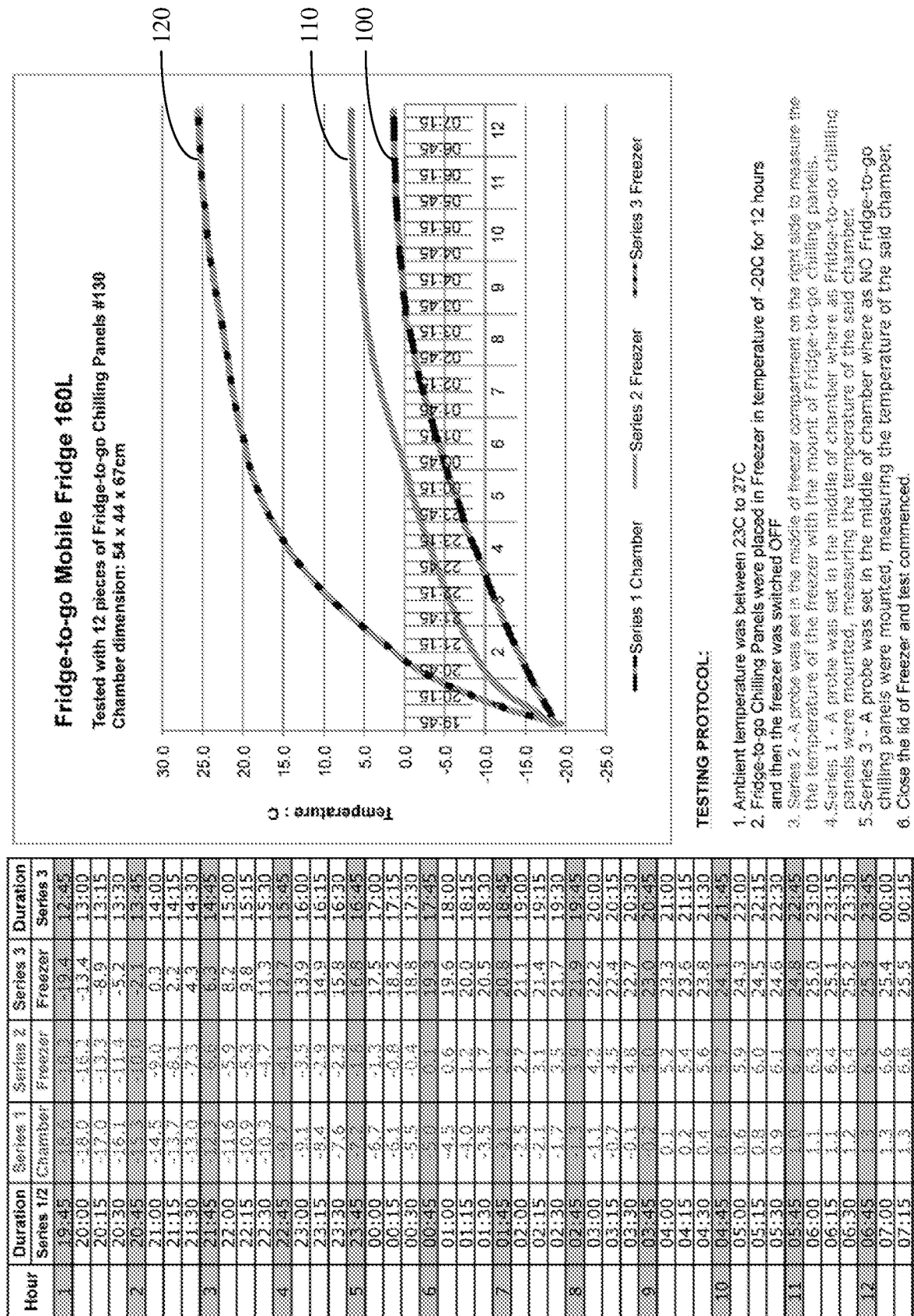


Fig. 12

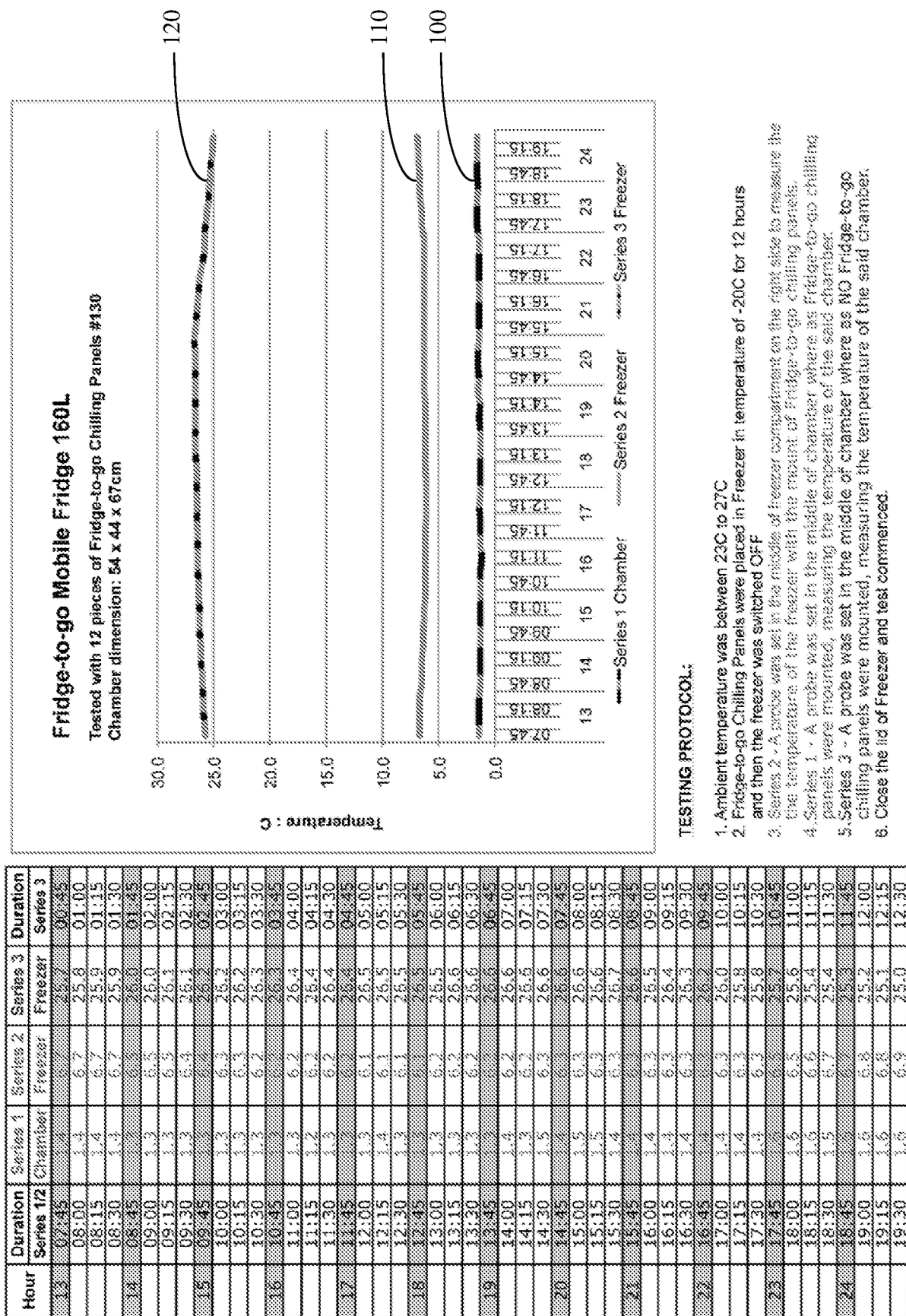


Fig. 13