

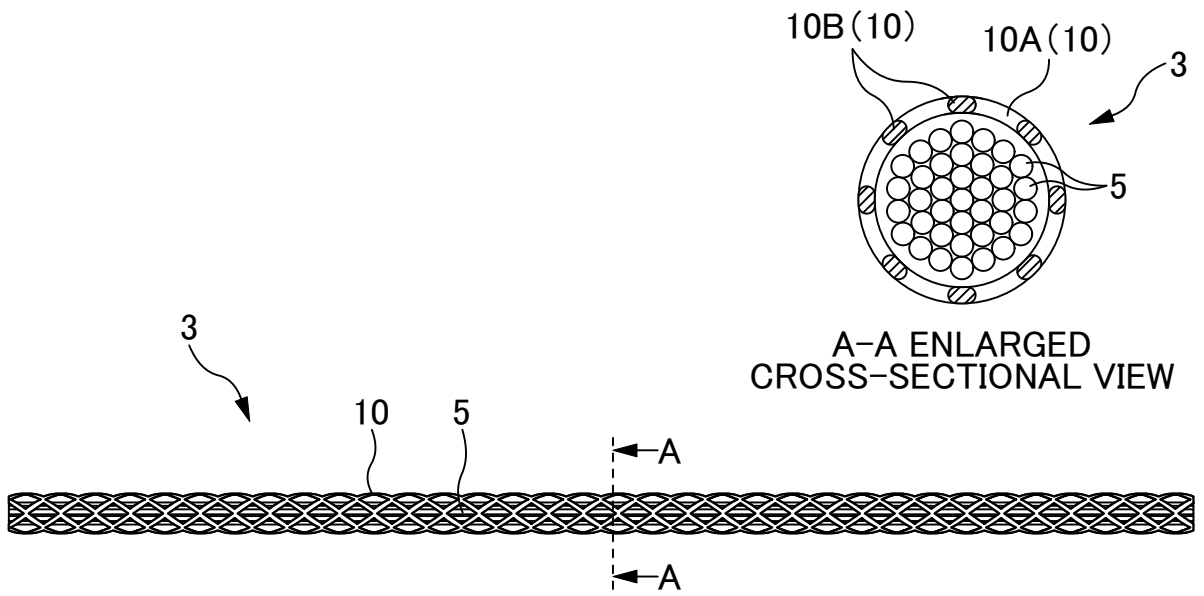


FIG. 1A

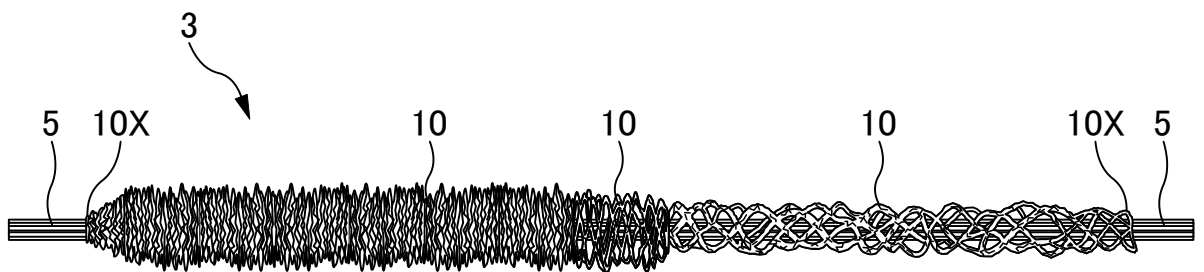


FIG. 1B

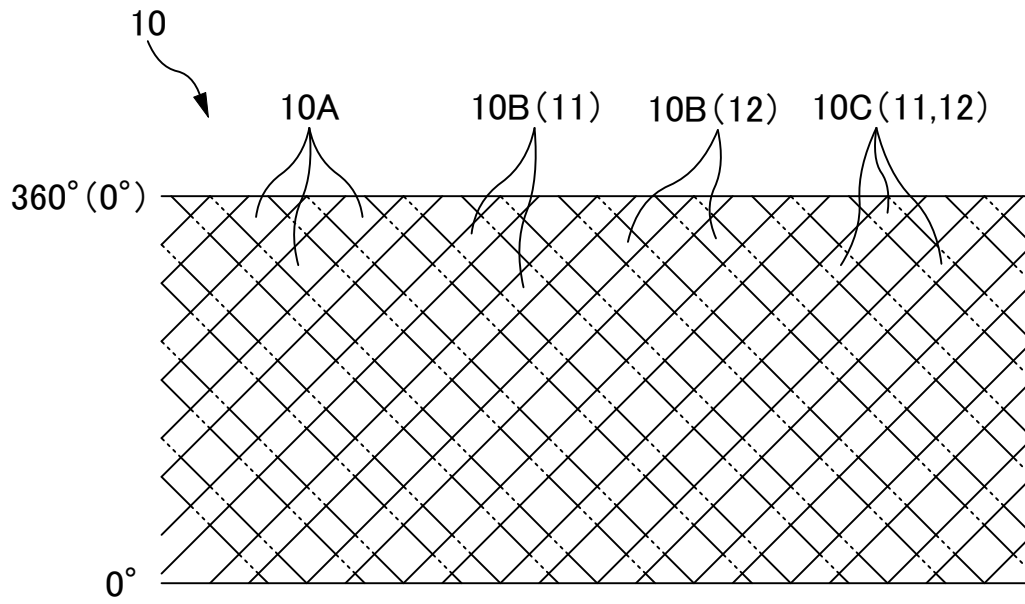


FIG. 2A

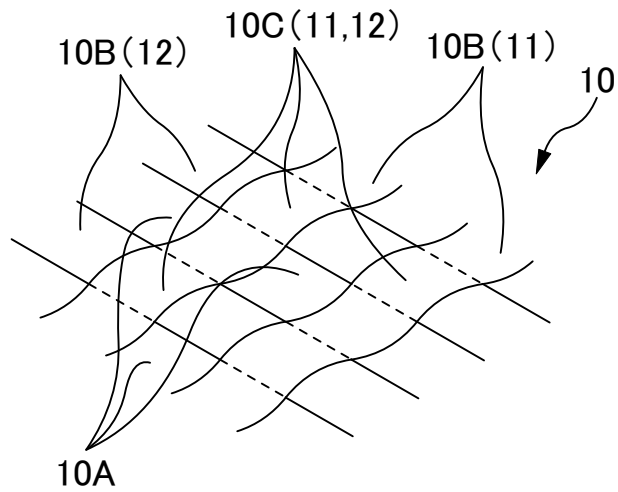


FIG. 2B

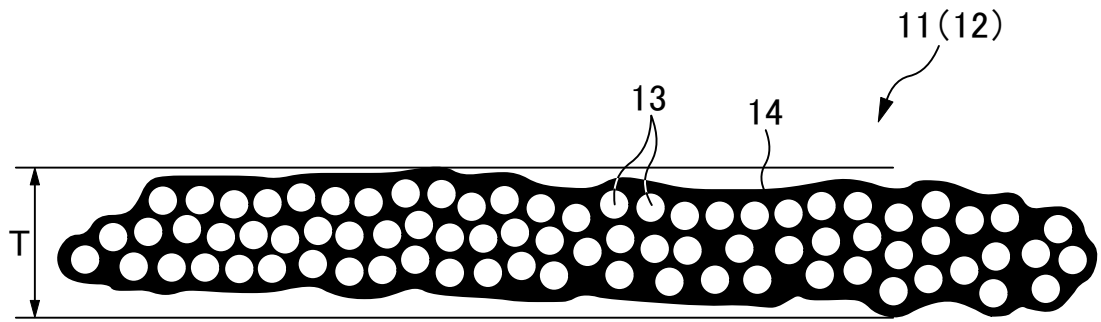


FIG. 3A

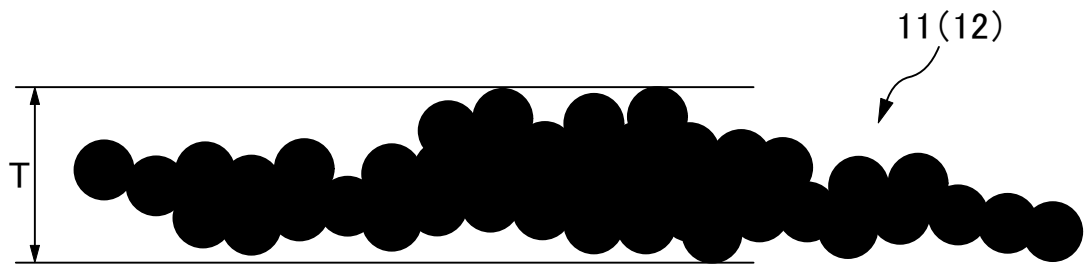


FIG. 3B



FIG. 3C

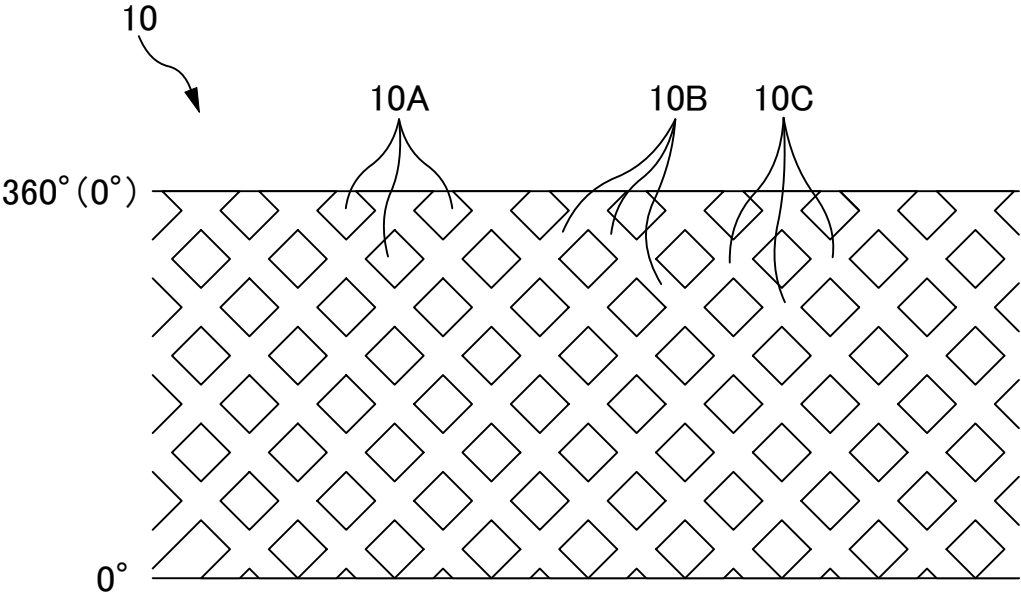


FIG. 4A

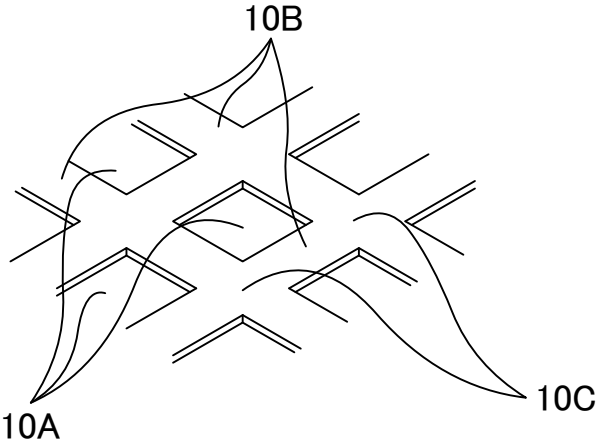


FIG. 4B

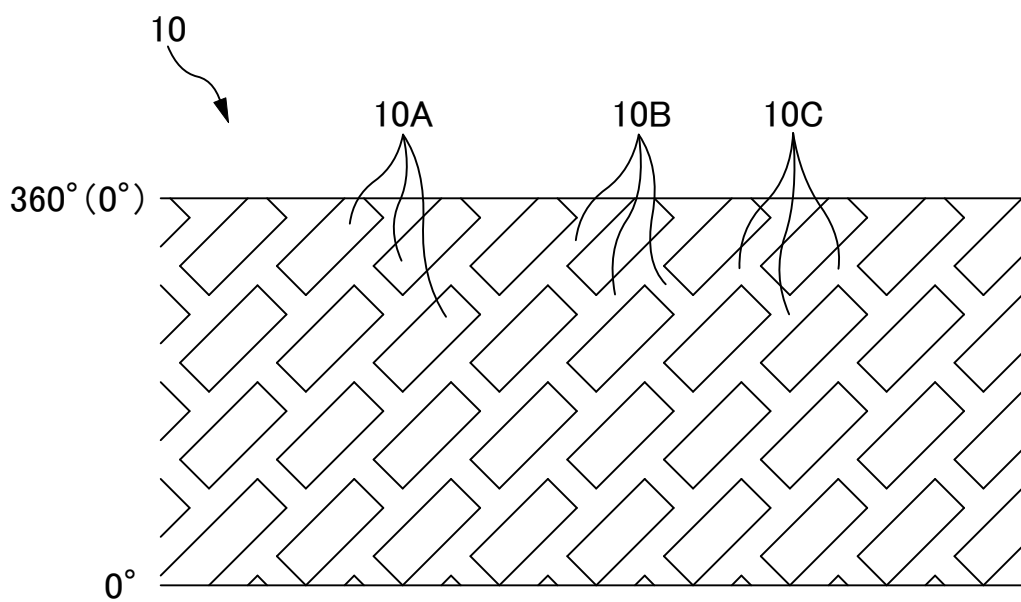


FIG. 5A

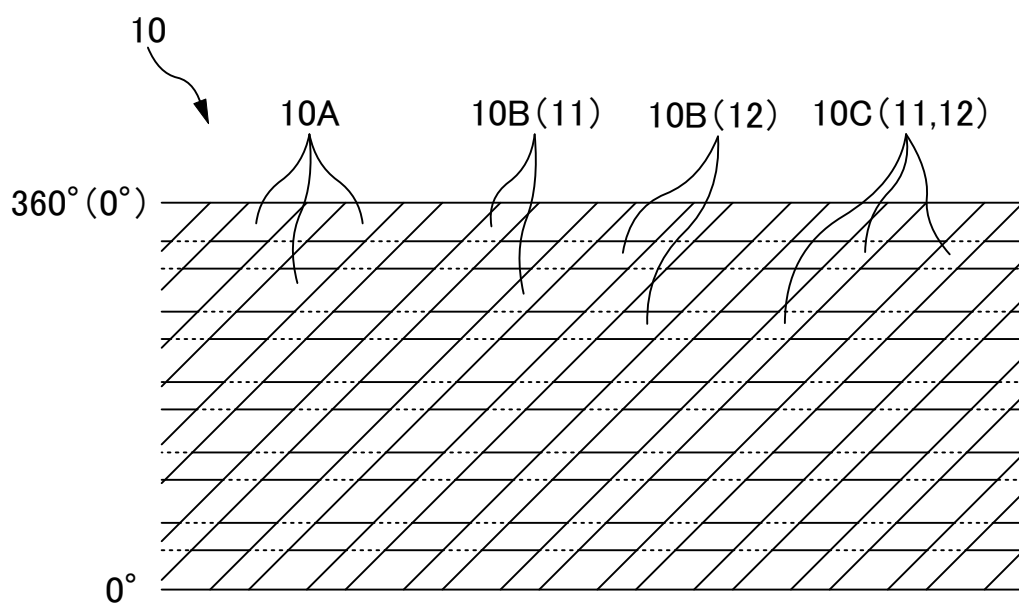


FIG. 5B

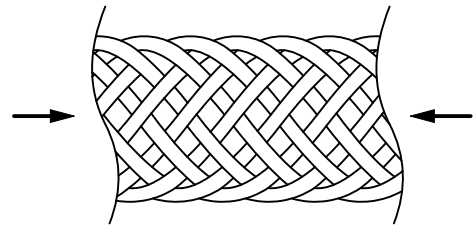
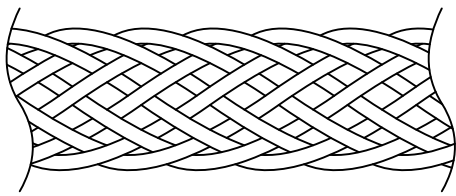


FIG. 6A

FIG. 6B

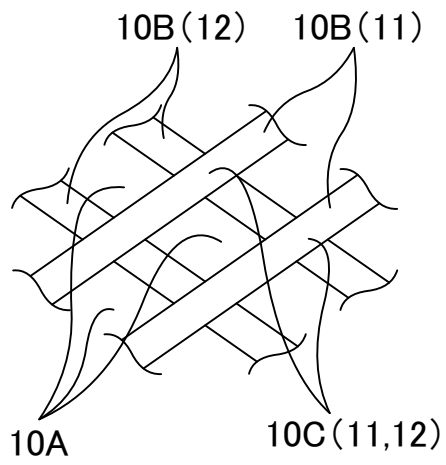


FIG. 7A

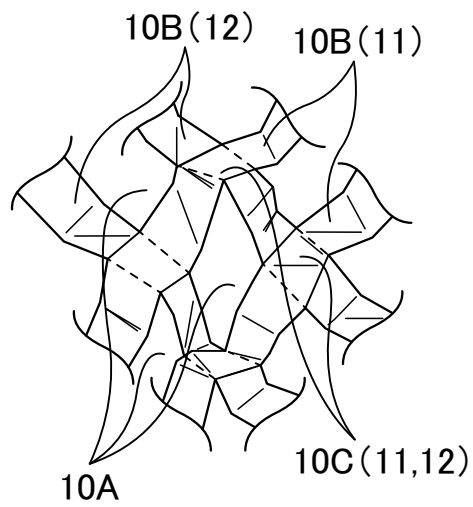


FIG. 7B

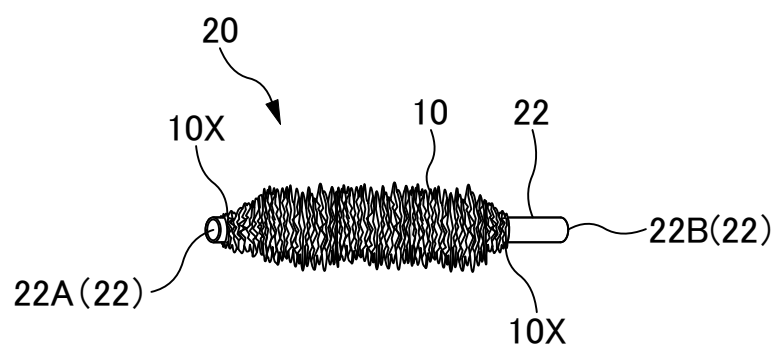


FIG. 8

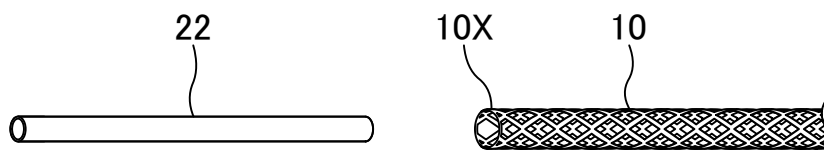


FIG. 9A

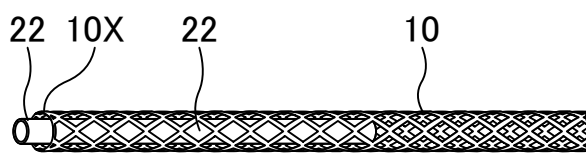


FIG. 9B

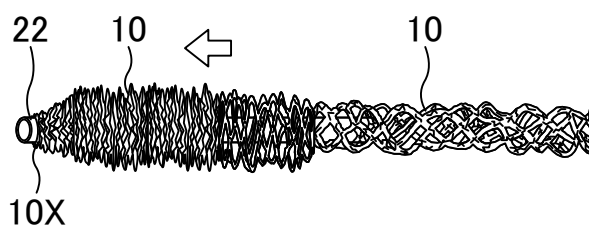


FIG. 9C

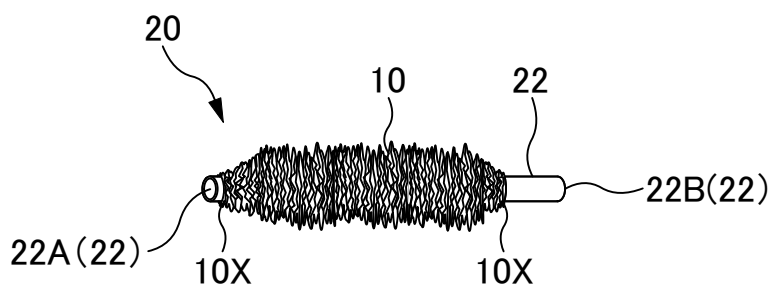


FIG. 9D

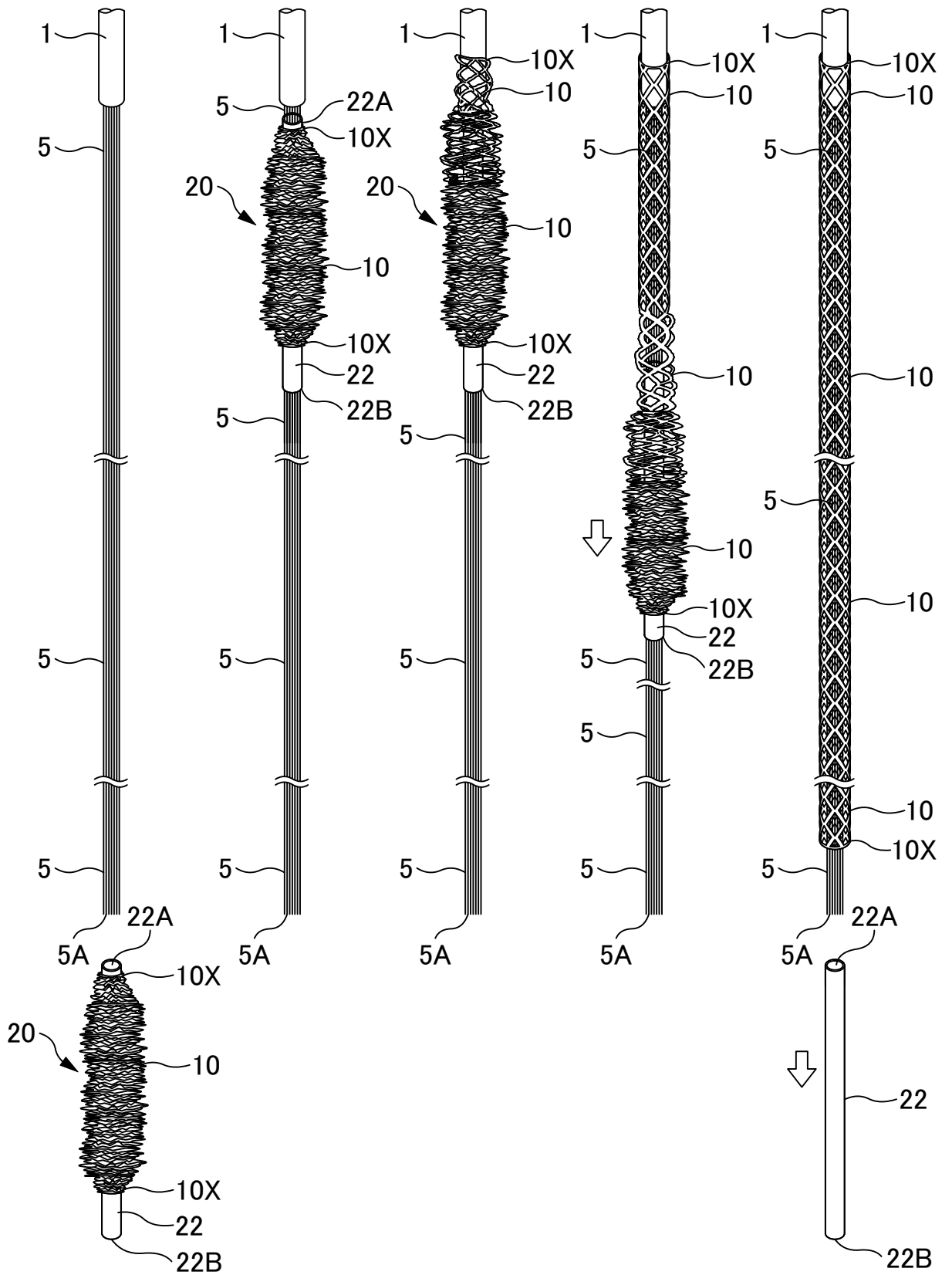


FIG. 10A

FIG. 10B

FIG. 10C

FIG. 10D

FIG. 10E

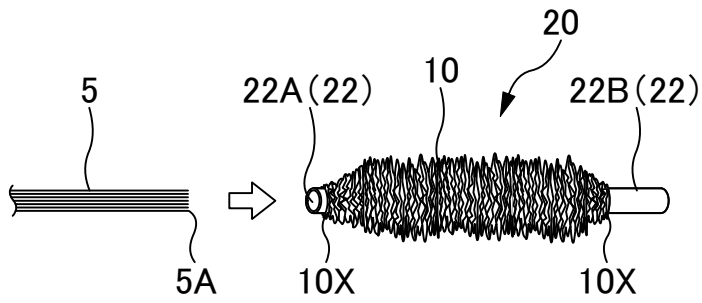


FIG. 11A

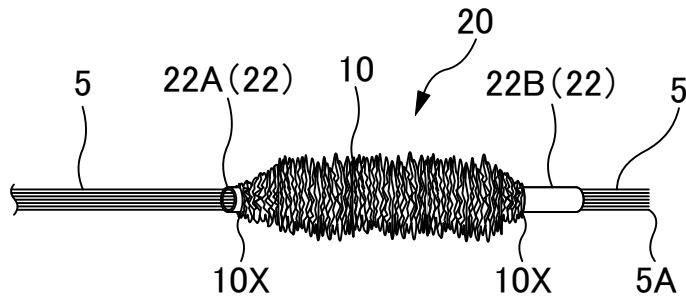


FIG. 11B

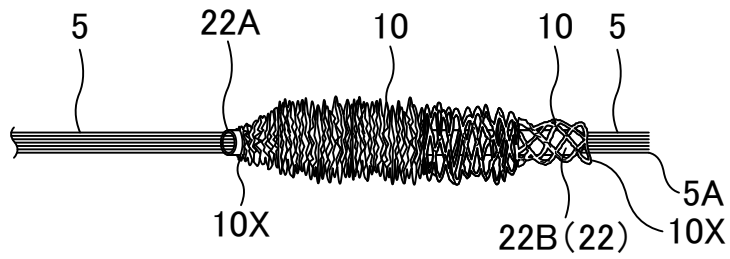


FIG. 11C

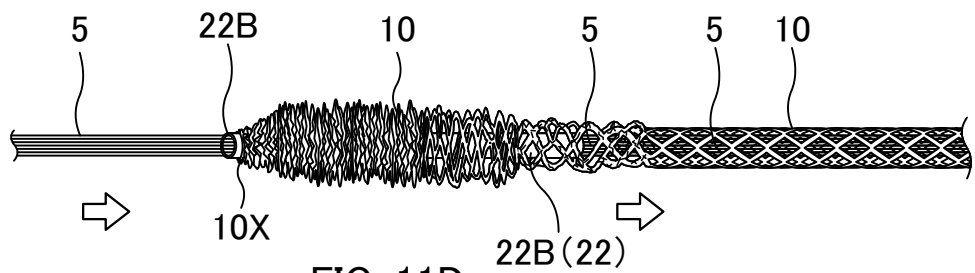


FIG. 11D

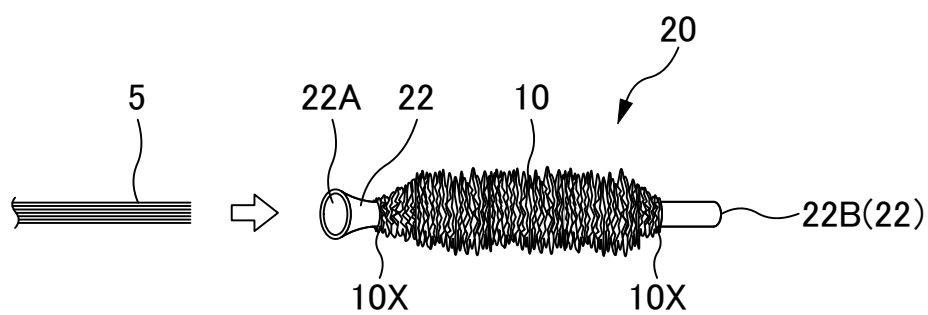


FIG. 12

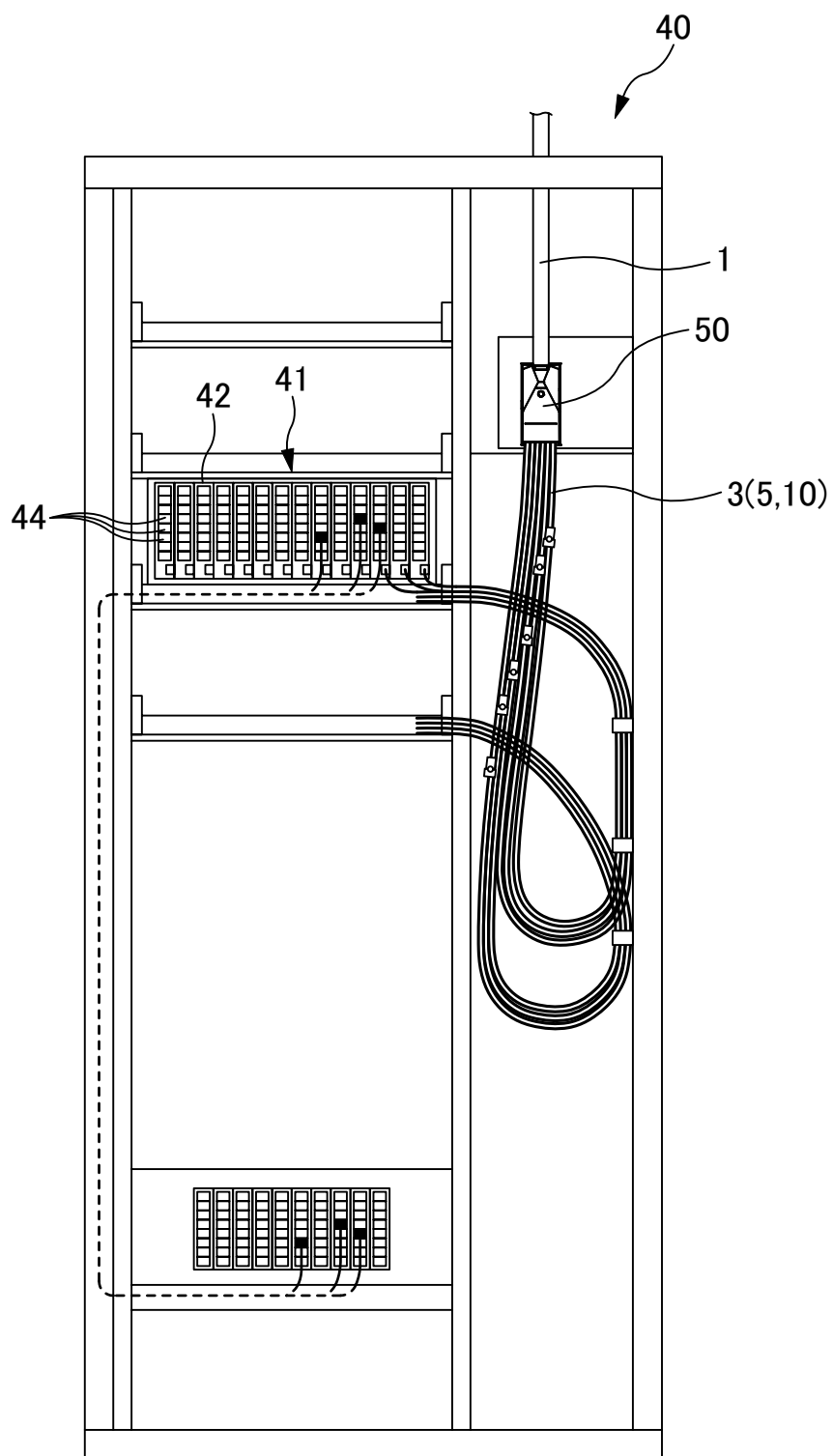


FIG. 13

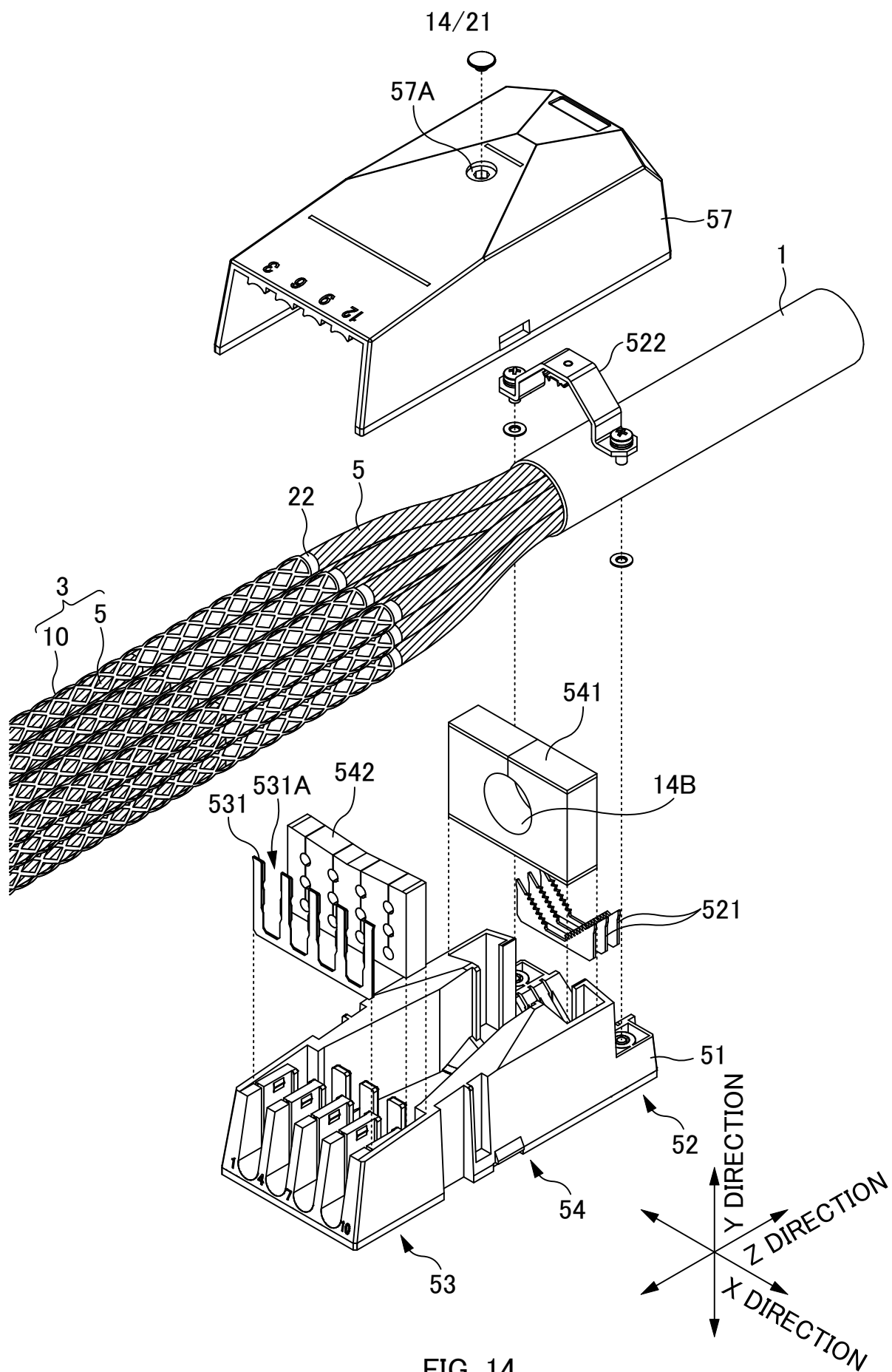


FIG. 14

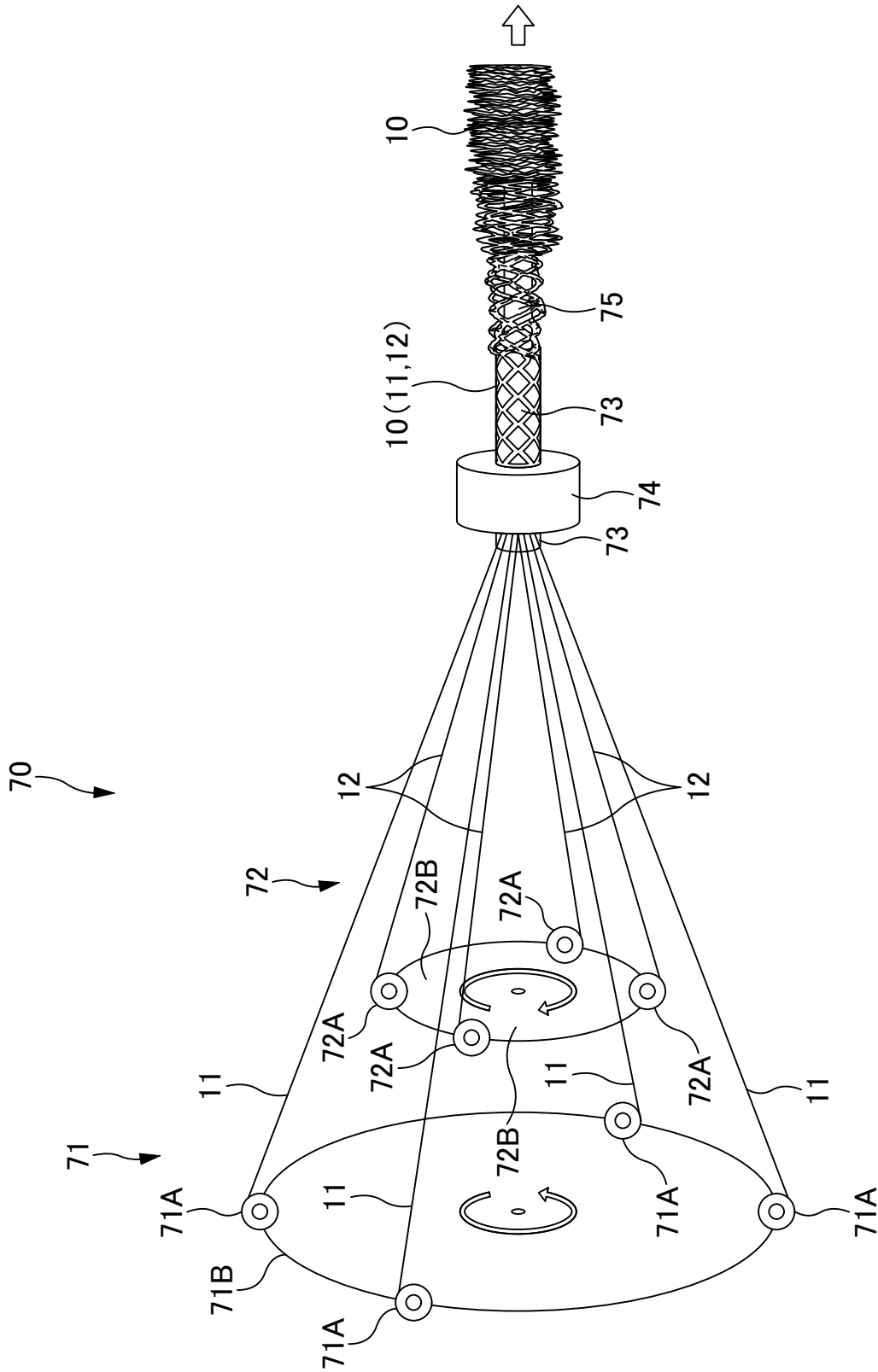
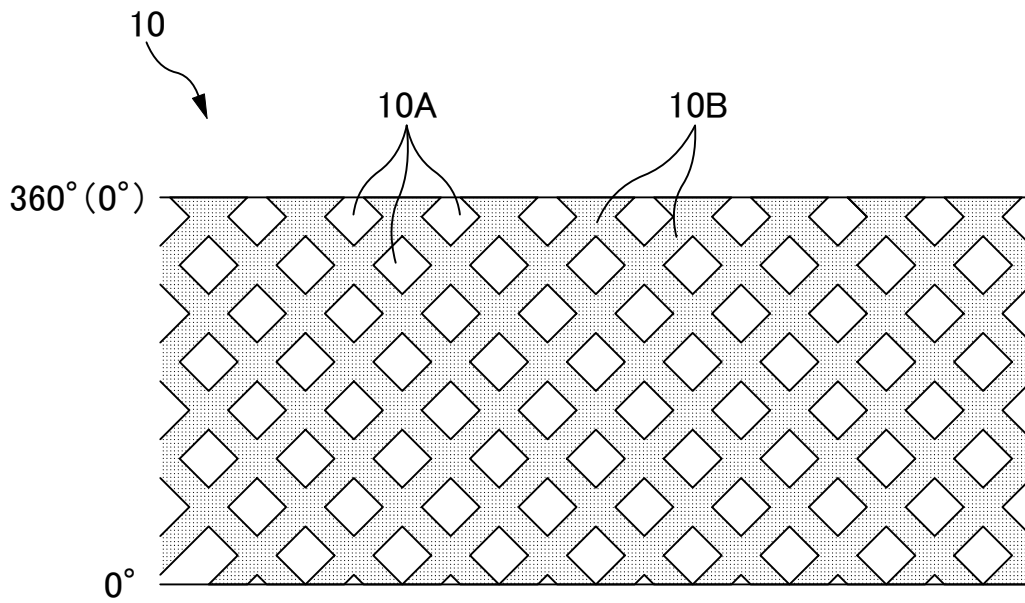


FIG. 15



$$\text{MESH RATIO } R(\%) = \frac{S1}{S1+S2} \times 100$$

S1: AREA OCCUPIED BY OPENINGS 10A

S2: AREA OCCUPIED BY PERIPHERAL PARTS 10B

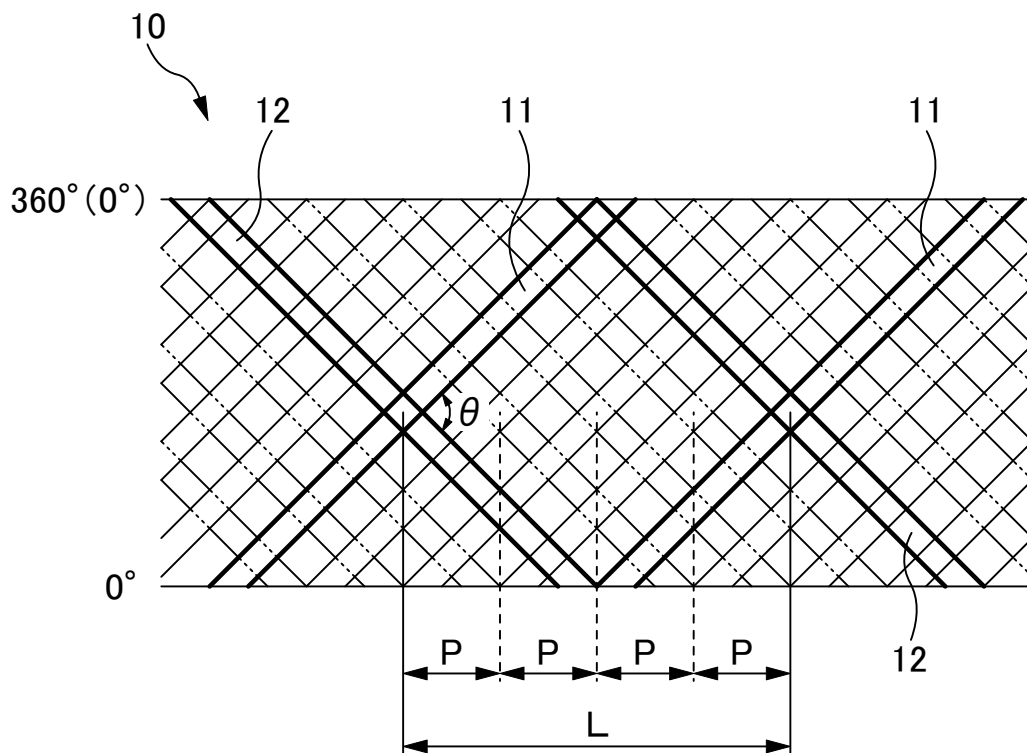
FIG. 16

NUMBER	10			8			6			4		2	
SPIRAL PITCH [mm]	100	150	180	100	150	180	100	150	180	150	180	150	180
MESH RATIO [%]	8.1	12.2	14.6	16.9	18.8	20.8	28.1	30.2	36.4	38.5	43.6	61.0	73.2
CATCHING ON PERIPHERAL MEMBER	○	○	○	○	○	○	○	○	○	○	○	×	×

FIG. 17

NO.	NUMBER OF OPTICAL FIBERS	NUMBER S OF FIRST WIRES	NUMBER S OF SECOND WIRES	INNER DIAMETER D [mm]	PITCH P [mm]	UNIT DIAMETER Y [mm]	D/Y	P × D/Y [mm]	EVALUATION RESULT		
									OVERALL EVALUATION	WIRE PASSING WORKABILITY	FASTENING OR PROTRUDING HANDLEABILITY
1	288	2	2	5	36	5	1.0	36.0	×	○	×
2	288	4	4	5	18	5	1.0	18.0	○	○	○
3	288	6	6	5	12	5	1.0	12.0	○	○	○
4	288	8	8	5	9	5	1.0	9.0	○	○	○
5	288	12	12	5	6	5	1.0	6.0	○	○	○
6	288	6	6	3	12	5	0.6	7.2	○	○	○
7	288	6	6	4	12	5	0.8	9.6	○	○	○
8	288	6	6	6	12	5	1.2	14.4	○	○	○
9	288	6	6	7	12	5	1.4	16.8	×	○	△
10	72	2	2	2	18	2.5	0.8	14.4	○	○	○
11	72	2	2	2.5	18	2.5	1.0	18.0	○	○	○
12	72	4	4	2	12	2.5	0.8	9.6	○	○	○
13	72	4	4	2.5	12	2.5	1.0	12.0	○	○	○
14	72	6	6	2	6	2.5	0.8	4.8	×	○	×
15	72	6	6	2.5	6	2.5	1.0	6.0	○	○	○
16	144	2	2	3	24	3.6	0.8	20.0	○	○	○
17	144	2	2	3.2	24	3.6	0.9	21.3	×	○	×
18	144	2	2	3.6	24	3.6	1.0	24.0	×	○	×
19	144	2	2	4	24	3.6	1.1	26.7	×	○	△
20	144	4	4	3	16	3.6	0.8	13.3	○	○	○
21	144	4	4	3.2	16	3.6	0.9	14.2	○	○	○
22	144	4	4	3.6	16	3.6	1.0	16.0	○	○	○
23	144	4	4	4	16	3.6	1.1	17.8	○	○	○
24	144	6	6	3	9	3.6	0.8	7.5	○	○	○
25	144	6	6	3.2	9	3.6	0.9	8.0	○	○	○
26	144	6	6	3.6	9	3.6	1.0	9.0	○	○	○
27	144	6	6	4	9	3.6	1.1	10.0	○	○	○
28	288	4	4	4	18	5	0.8	14.4	○	○	○
29	288	4	4	4.5	18	5	0.9	16.2	○	○	○
30	288	4	4	6	18	5	1.2	21.6	×	○	△
31	288	8	8	4	9	5	0.8	7.2	○	○	○
32	288	8	8	4.5	9	5	0.9	8.1	○	○	○
33	288	8	8	6	9	5	1.2	10.8	○	○	○
40	288	6	6	2.5	12	5	0.5	6.0	×	△	×

FIG. 18



$$\text{INNER DIAMETER } D = L \times \tan(\theta / 2) / \pi$$

FIG. 19

NO.	MATERIAL	CROSS-SECTIONAL SHAPE (mm)	CONTRACTION RATIO RL(%) (LENGTH L1 DURING CONTRACTION /INITIAL LENGTH L0 × 100%)
1	DOUBLE-LAYER MONOFILAMENT	1.5 × 0.15	8
2		1.5 × 0.10	5
3		1.5 × 0.05	4
4	SINGLE-LAYER MONOFILAMENT	1.5 × 0.15	8
5		1.5 × 0.10	5
6		1.5 × 0.05	4
7	FILM	1.5 × 0.10	13
8		1.5 × 0.08	12
9		1.5 × 0.05	11

FIG. 20

NO.	MATERIAL	CROSS-SECTIONAL SHAPE (mm)	LOSS FLUCTUATION (dB)
1	DOUBLE-LAYER MONOFILAMENT	1.5 × 0.15	0.01 OR LESS
2		1.5 × 0.10	0.01 OR LESS
3		1.5 × 0.05	0.01 OR LESS
4	SINGLE-LAYER MONOFILAMENT	1.5 × 0.15	0.08
5		1.5 × 0.10	0.13
6		1.5 × 0.05	0.24

FIG. 21

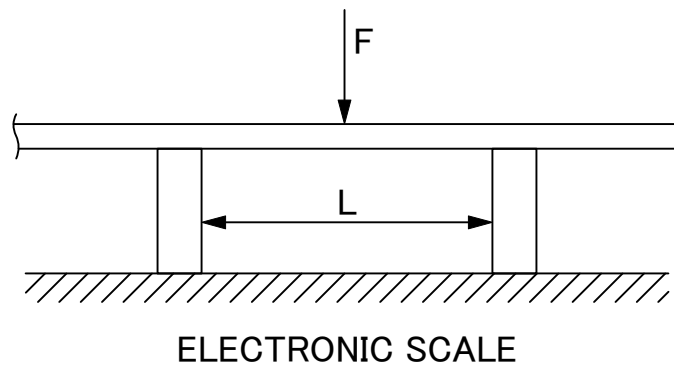


FIG. 22A

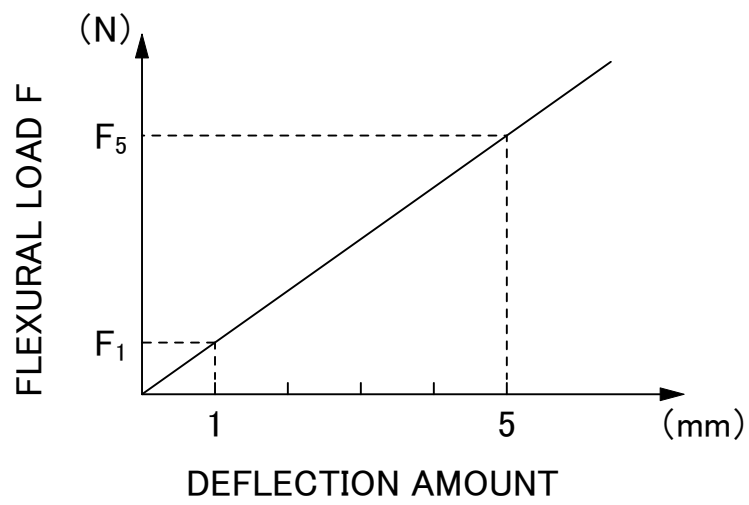


FIG. 22B