

Fig. 2

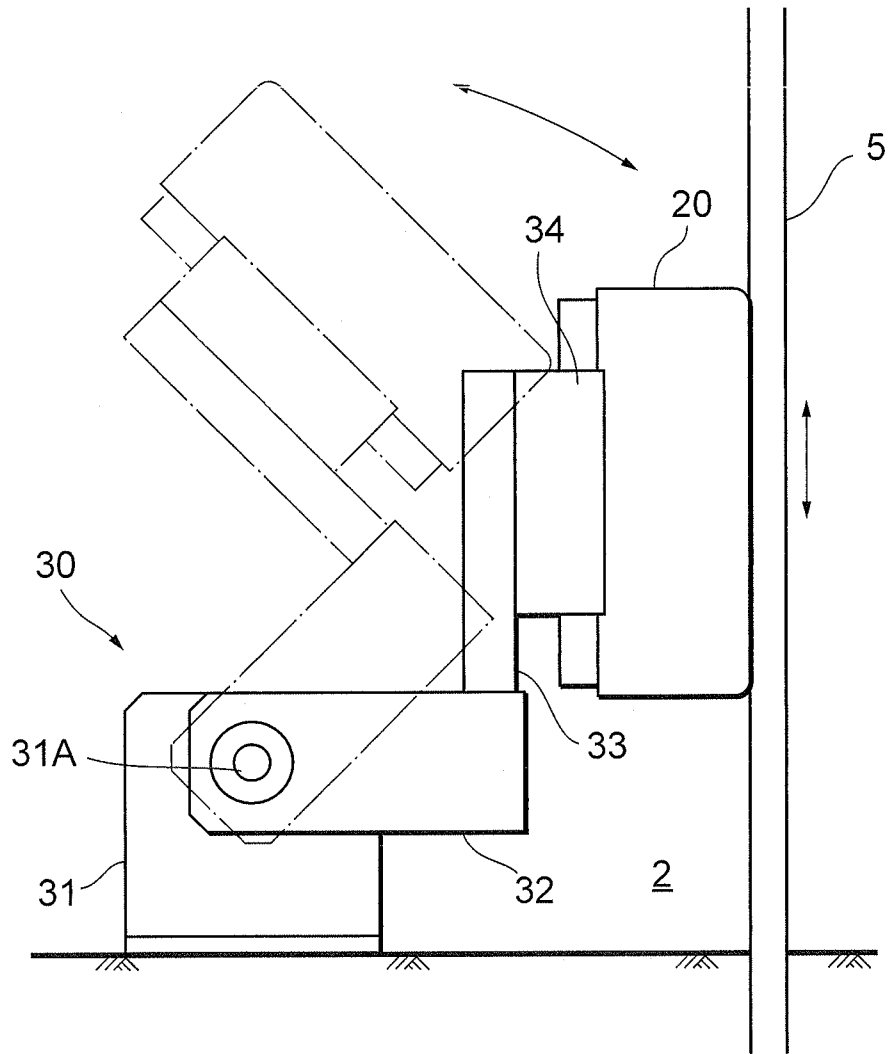


Fig. 3

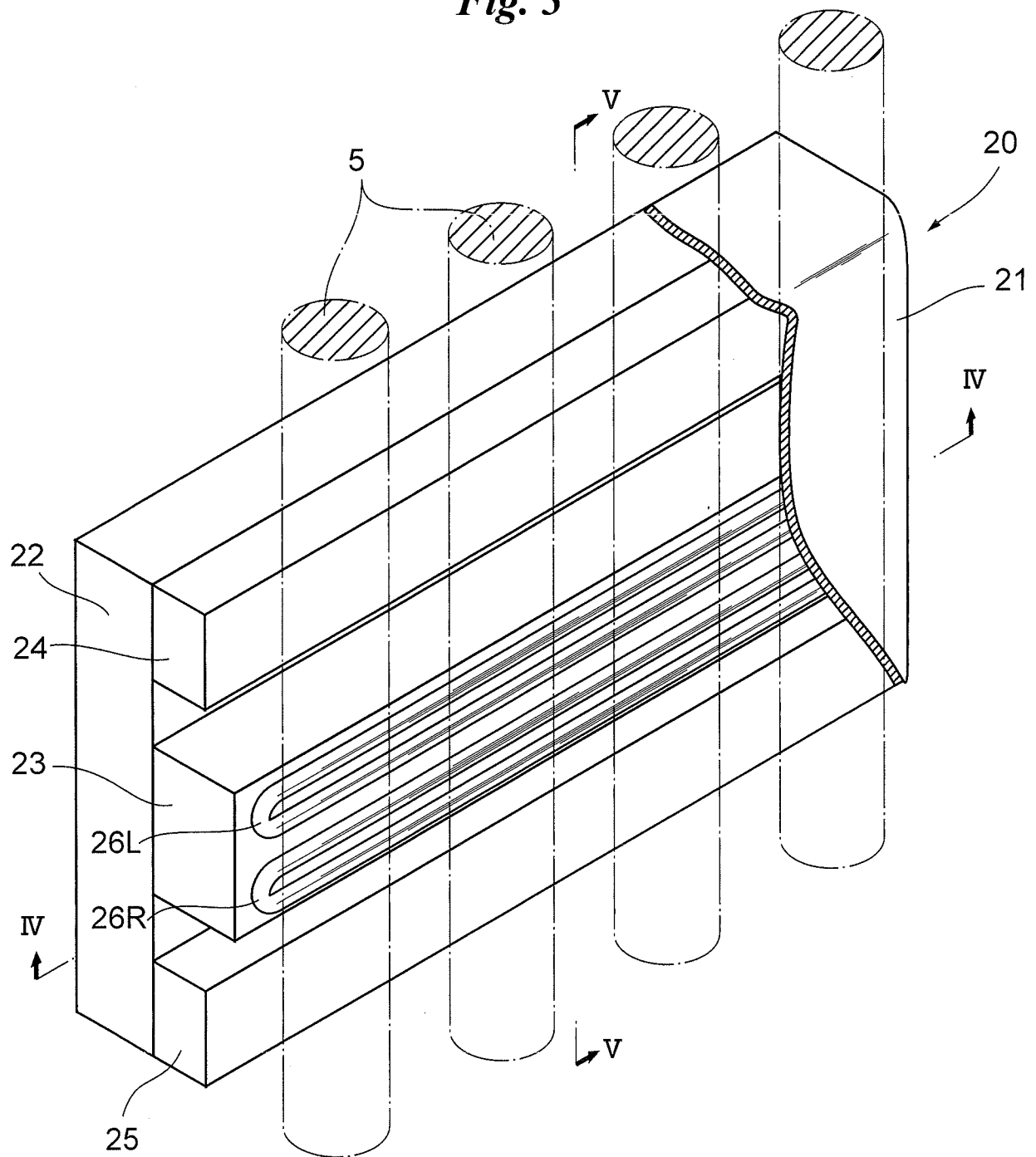


Fig. 4

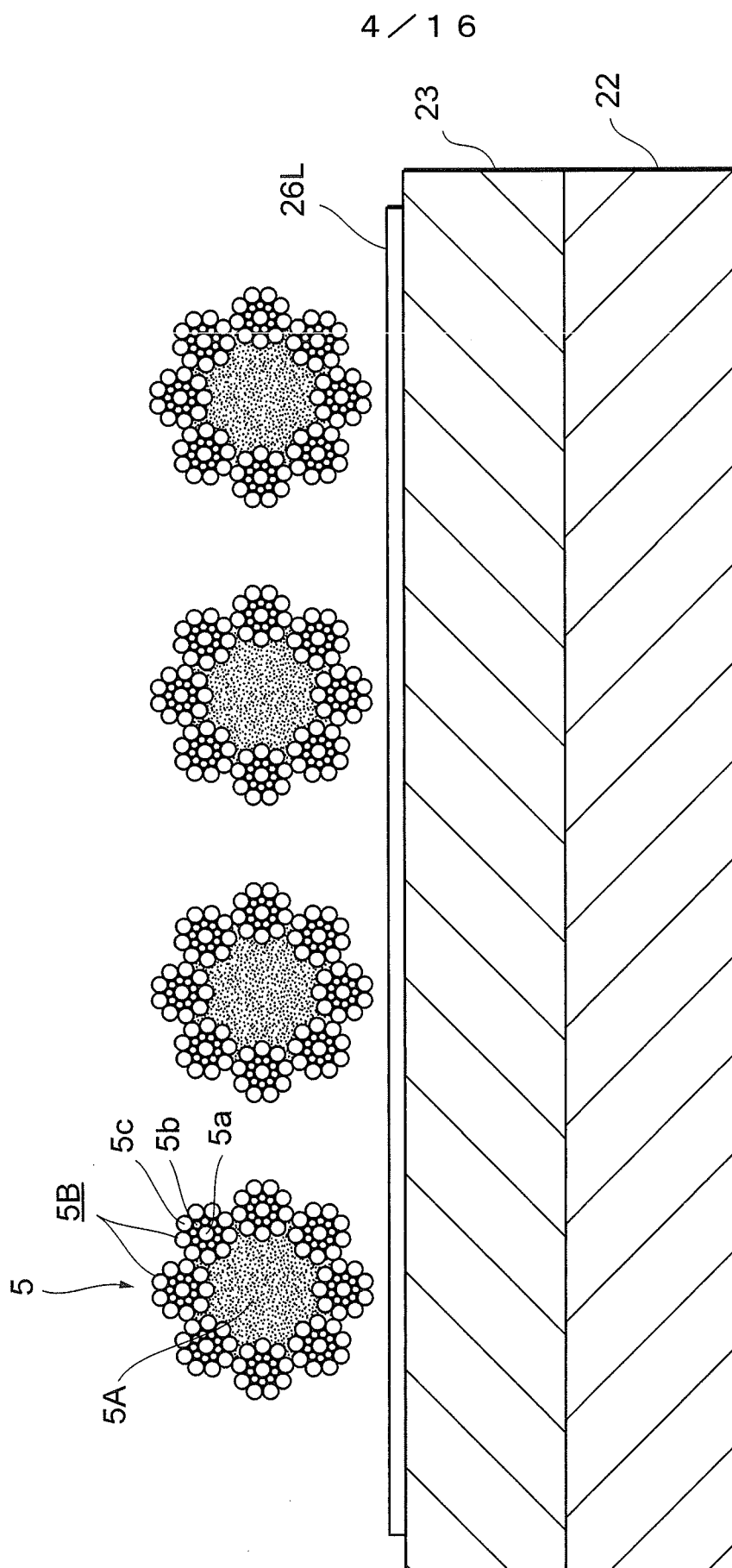


Fig. 5

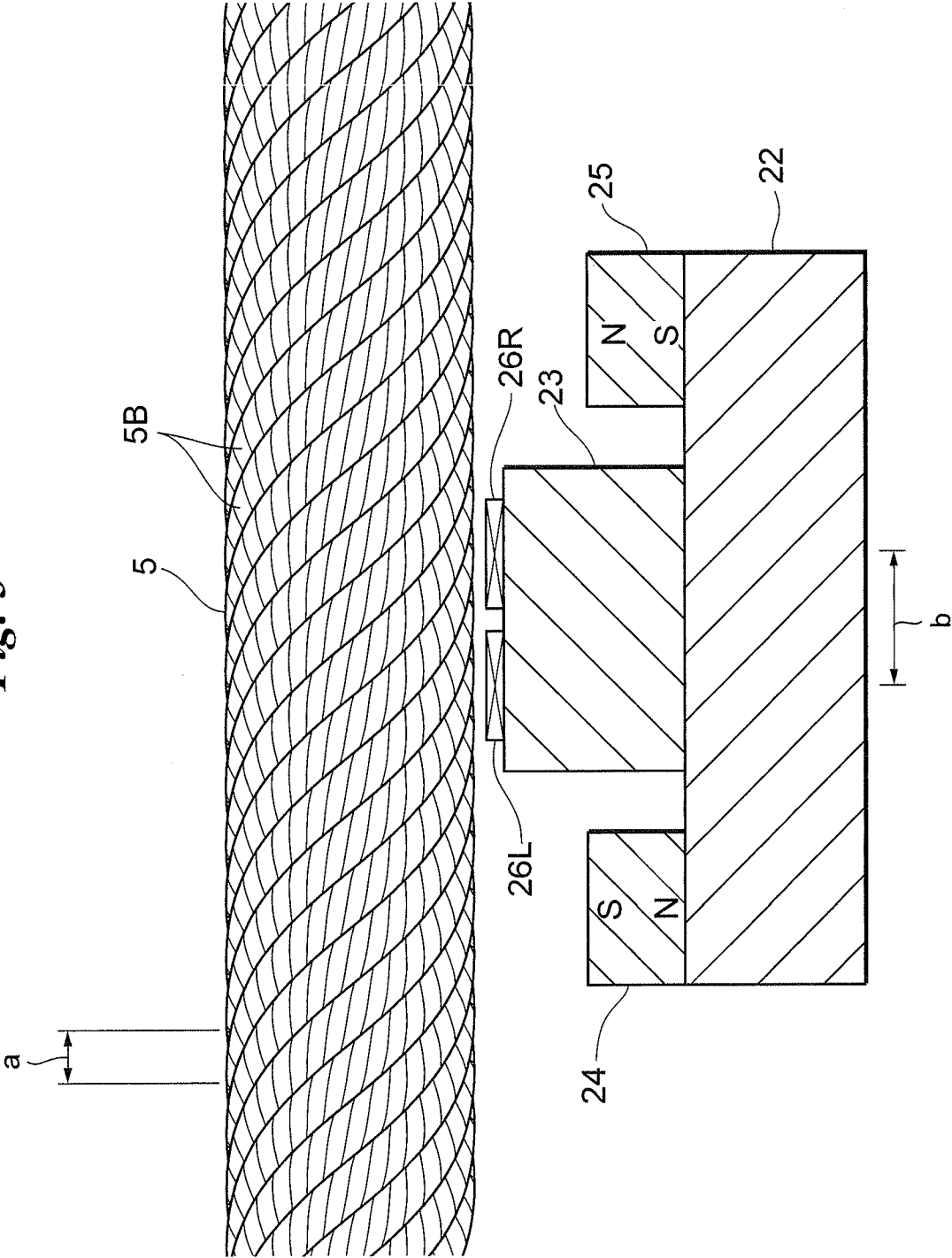


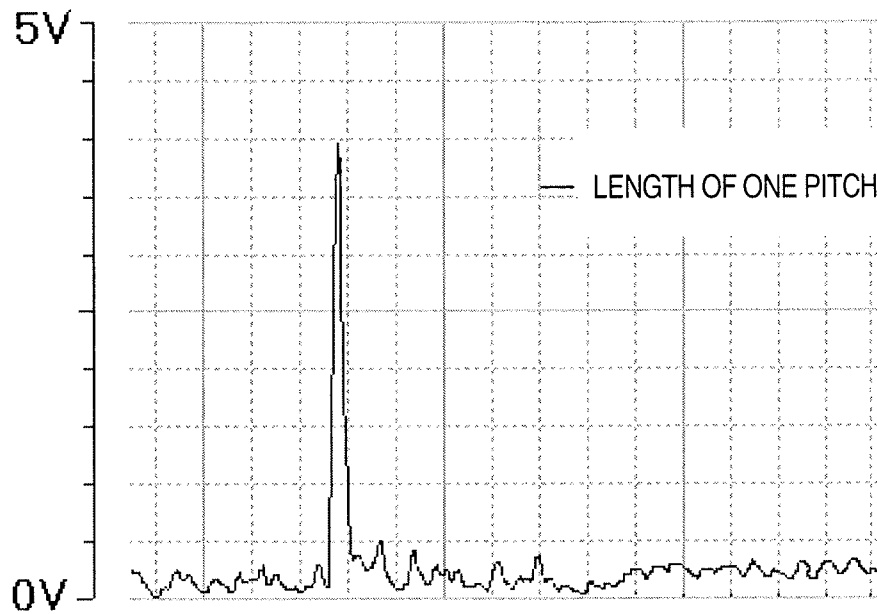
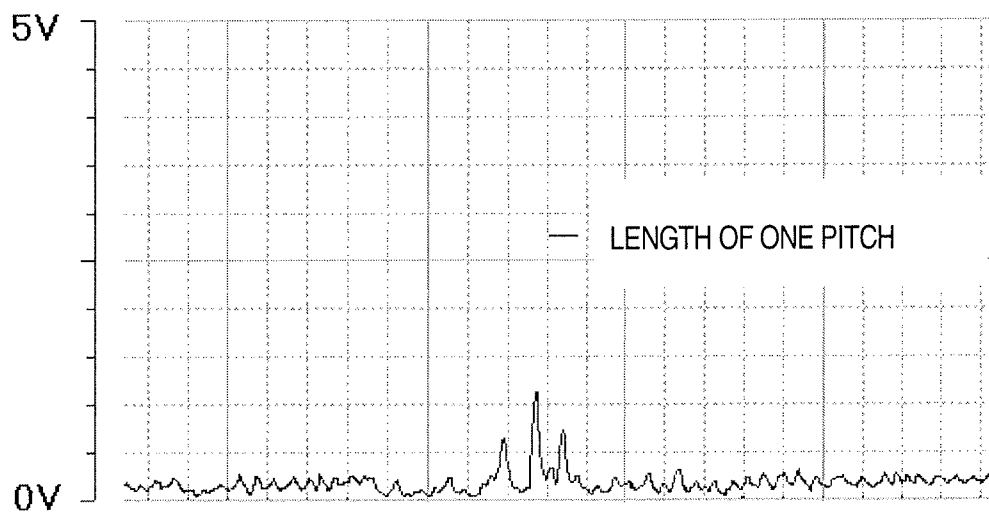
Fig. 6**Fig. 7**

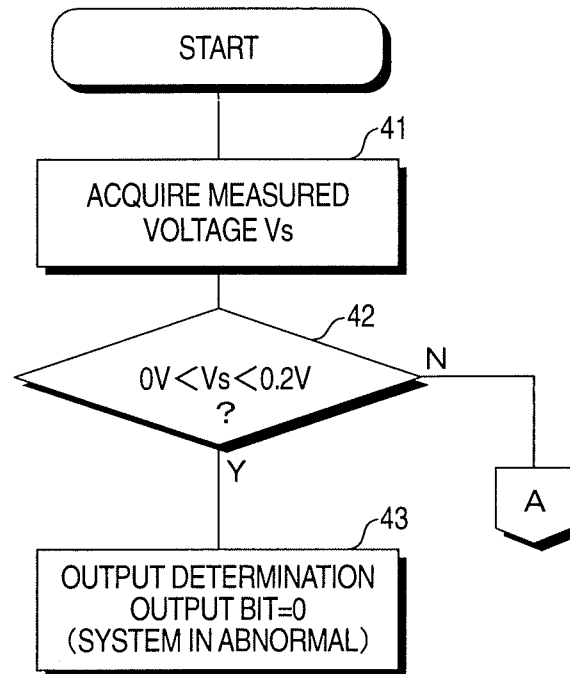
Fig. 8

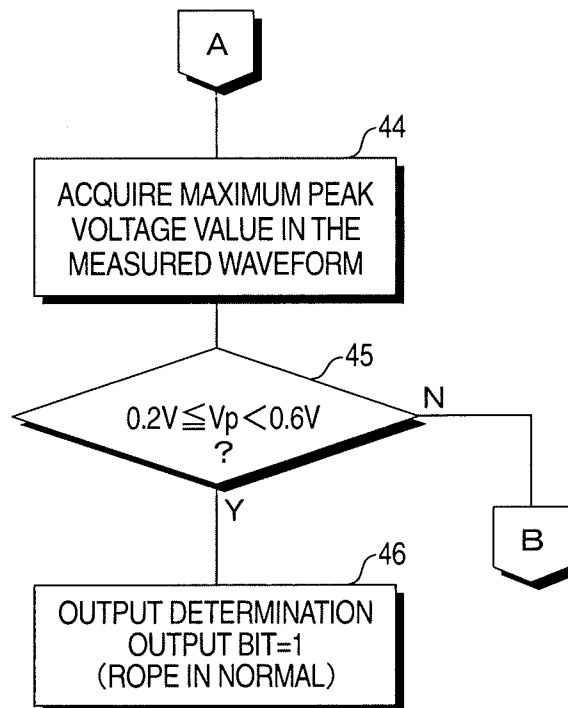
Fig. 9

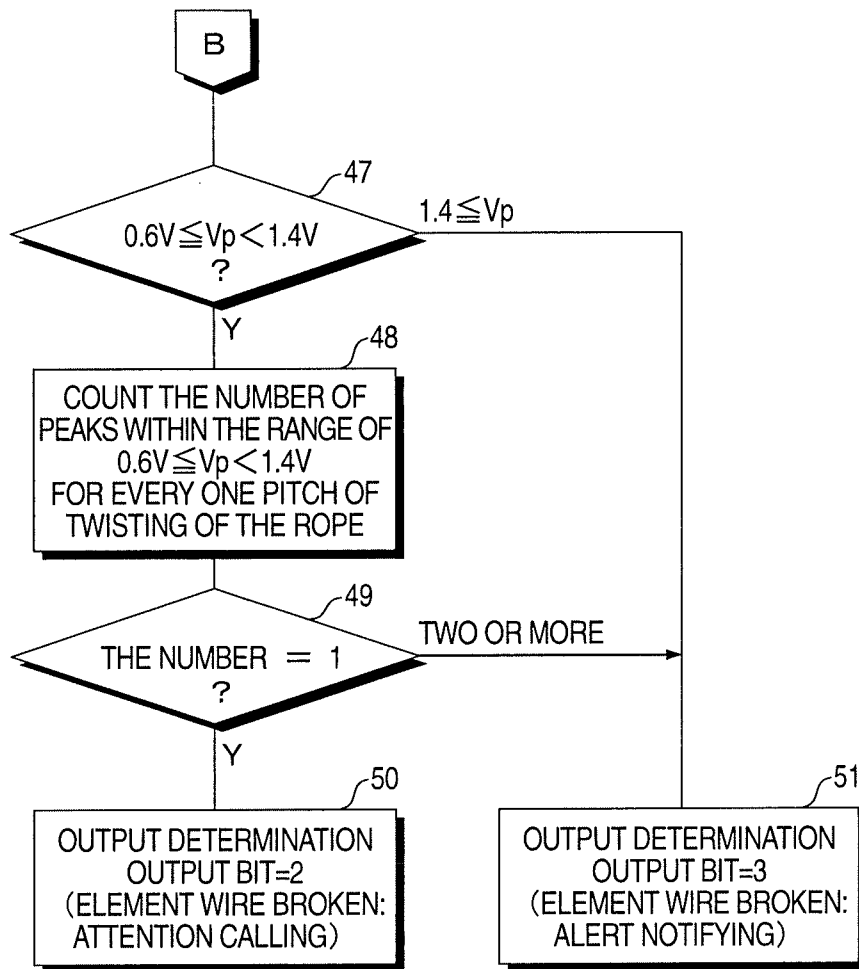
Fig. 10

Fig. 11

NUMBER OF BREAKS	TYPE OF BREAKS	PEAK VOLTAGE V_p (V)					NOISE (V)
		180°	135°	90°	45°	0°	
ONE IN ELEMENT WIRES	BED WIRE BREAK	0.3	0.3	0.3	0.3	0.3	0.3
	NIP WIRE BREAK	0.3	0.3	0.3	0.4	0.5	0.3
	CROWN WIRE BREAK	0.4	0.3	0.5	0.6 *	1.0 *	0.4
TWO IN ELEMENT WIRES	BED WIRE BREAK	0.3	0.3	0.3	0.7 *	1.0 *	0.3
	NIP WIRE BREAK	0.3	0.3	0.3	1.0 *	1.1 *	0.3
	CROWN WIRE BREAK	0.5	0.6 *	0.6 *	1.0 *	1.6 *	0.4
THREE IN ELEMENT WIRES	CROWN WIRE BREAK	0.5	0.6 *	1.3 *	2.0 **	2.2 **	0.4
FOUR IN ELEMENT WIRES	BED WIRE BREAK	0.3	0.3	0.5	0.8 *	1.5 **	0.3
	NIP WIRE BREAK	0.3	0.4	0.7 *	1.4 *	1.8 **	0.3
SEVEN IN ELEMENT WIRES	CROWN WIRE BREAK	0.5	0.6 *	1.2 *	3.6 **	3.8 **	0.3
ONE STRAND	————	1.3 *	3.5 **	4.3 **	4.8 **	4.8 **	0.3

Fig. 12

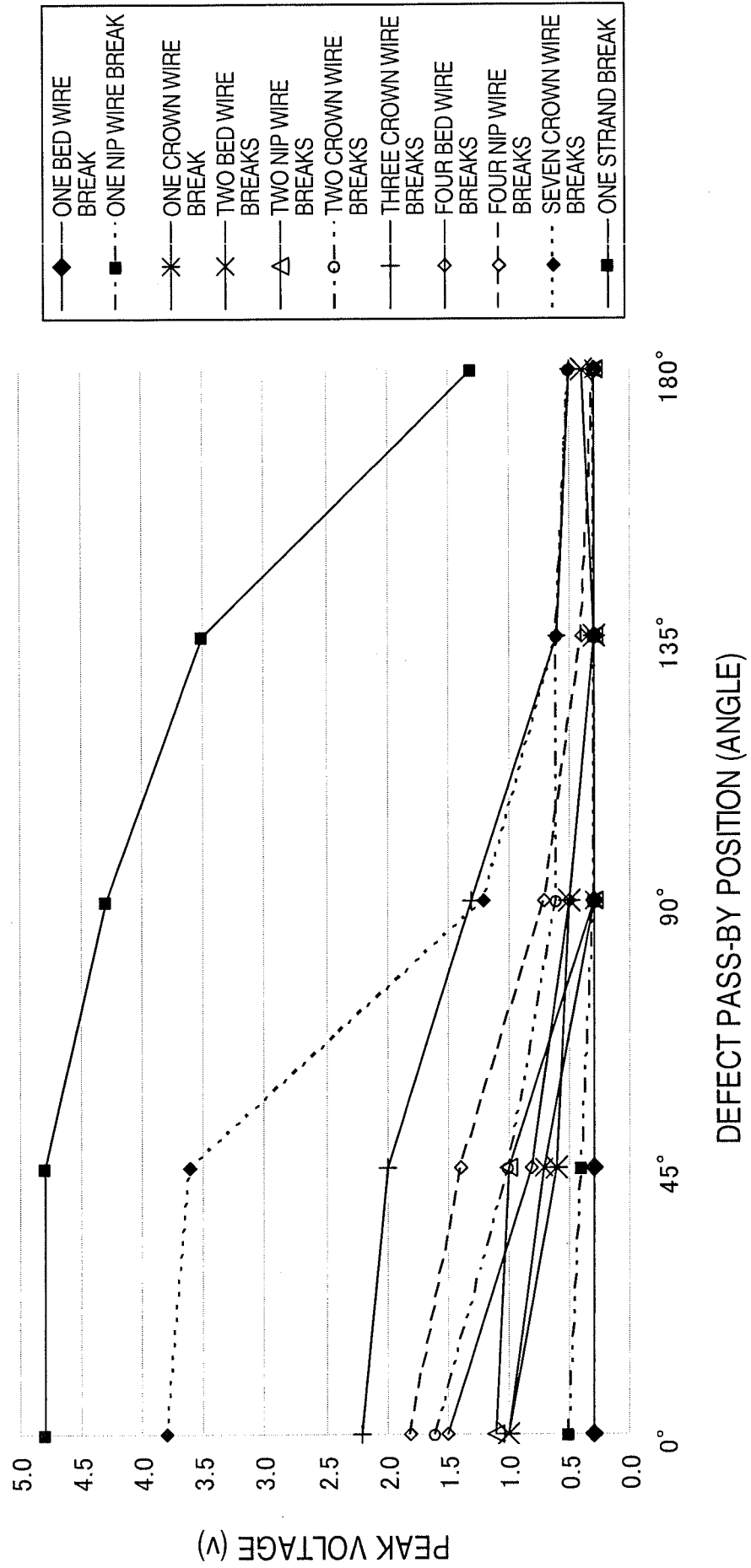


Fig. 13

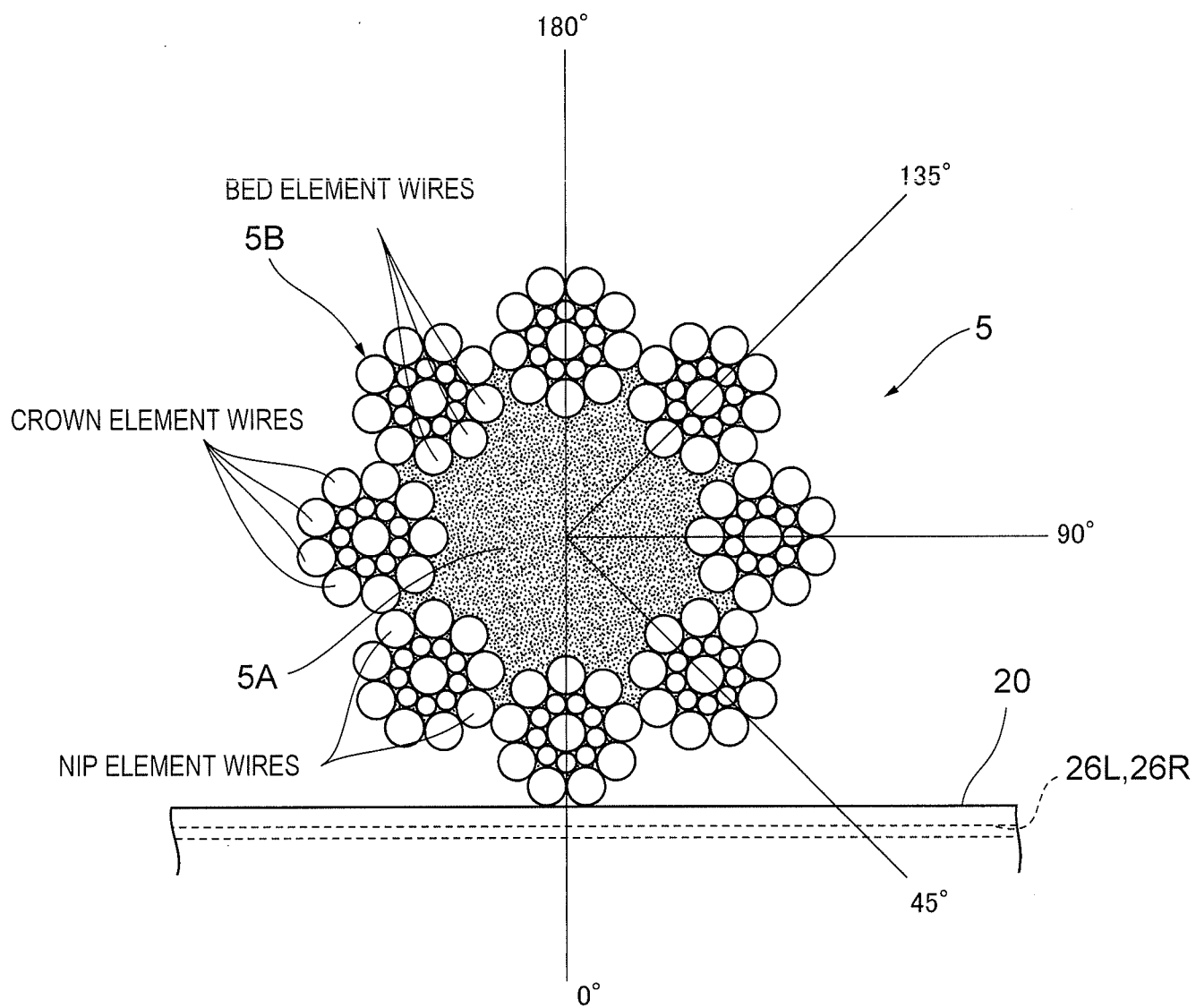


Fig. 14

NUMBER OF BREAKS	TYPE OF BREAKS	PEAK VOLTAGE V_p (V)					NOISE (V)
		180°	135°	90°	45°	0°	
ONE IN ELEMENT WIRES	BED WIRE BREAK	0.3	0.3	0.3	0.3	0.3	0.3
	NIP WIRE BREAK	0.5	0.4	0.3	0.4	0.5	0.3
	CROWN WIRE BREAK	1.0 *	0.6 *	0.5	0.6 *	1.0 *	0.4
TWO IN ELEMENT WIRES	BED WIRE BREAK	1.0 *	0.7 *	0.3	0.7 *	1.0 *	0.3
	NIP WIRE BREAK	1.1 *	1.0 *	0.3	1.0 *	1.1 *	0.3
	CROWN WIRE BREAK	1.6 *	1.0 *	0.6 *	1.0 *	1.6 *	0.4
THREE IN ELEMENT WIRES	CROWN WIRE BREAK	2.2 **	2.0 **	1.3 *	2.0 **	2.2 **	0.4
FOUR IN ELEMENT WIRES	BED WIRE BREAK	1.5 **	0.8 *	0.5	0.8 *	1.5 **	0.3
	NIP WIRE BREAK	1.8 **	1.4 *	0.7 *	1.4 *	1.8 **	0.3
SEVEN IN ELEMENT WIRES	CROWN WIRE BREAK	3.8 **	3.6 **	1.2 *	3.6 **	3.8 **	0.3
ONE STRAND	————	4.8 **	4.8 **	4.3 **	4.8 **	4.8 **	0.3

Fig. 15

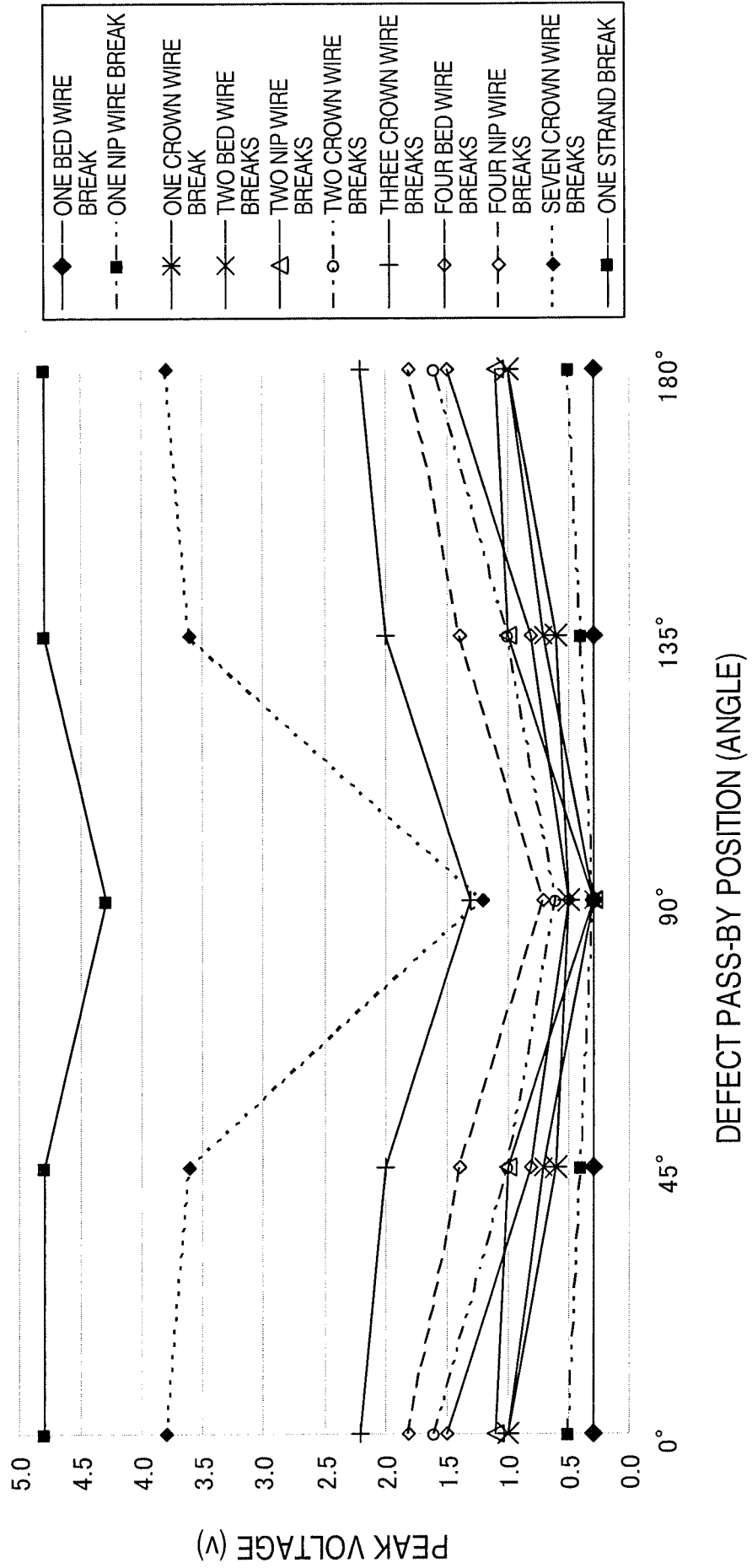


Fig. 16

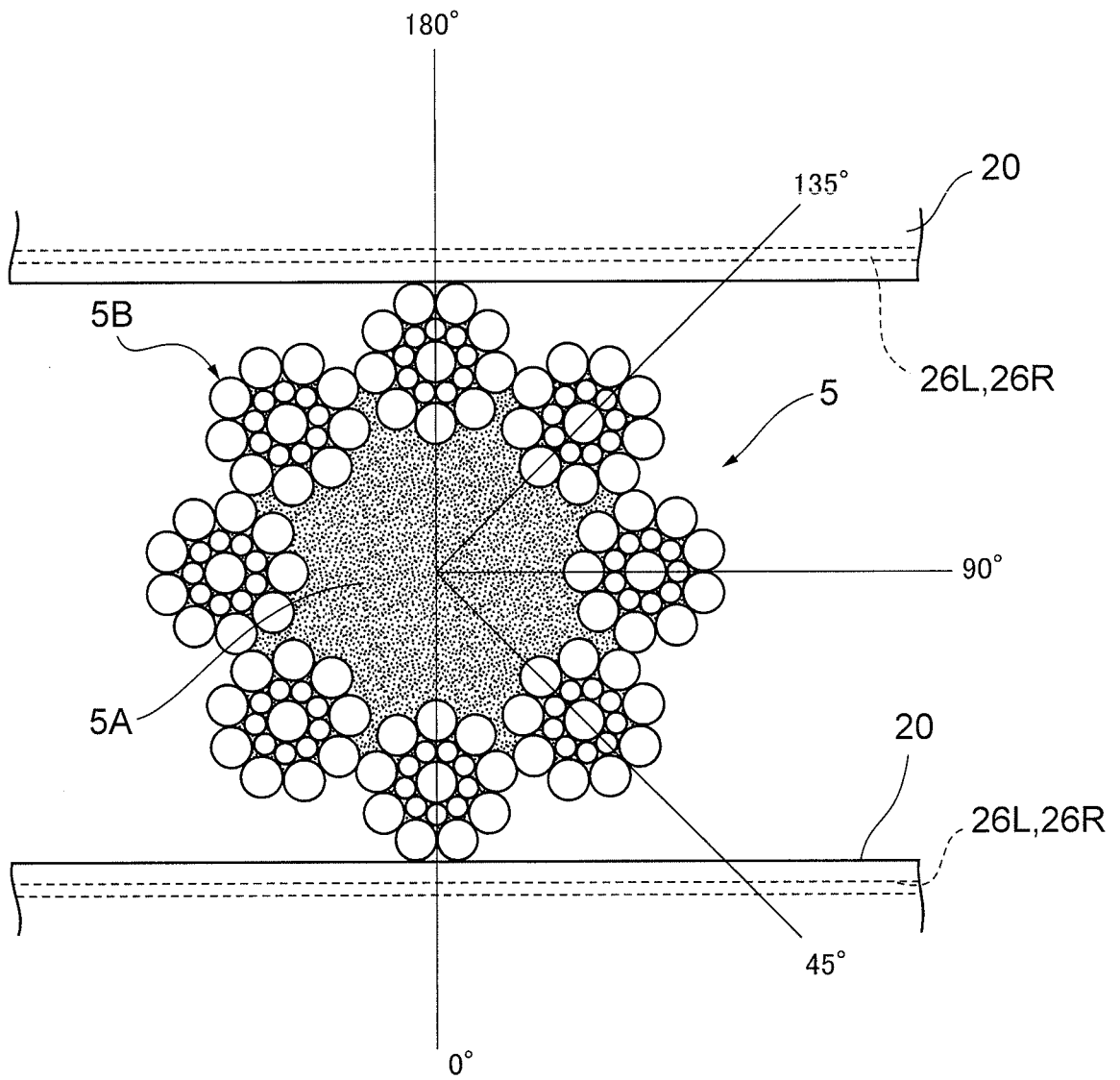


Fig. 17

