

Fig. 1

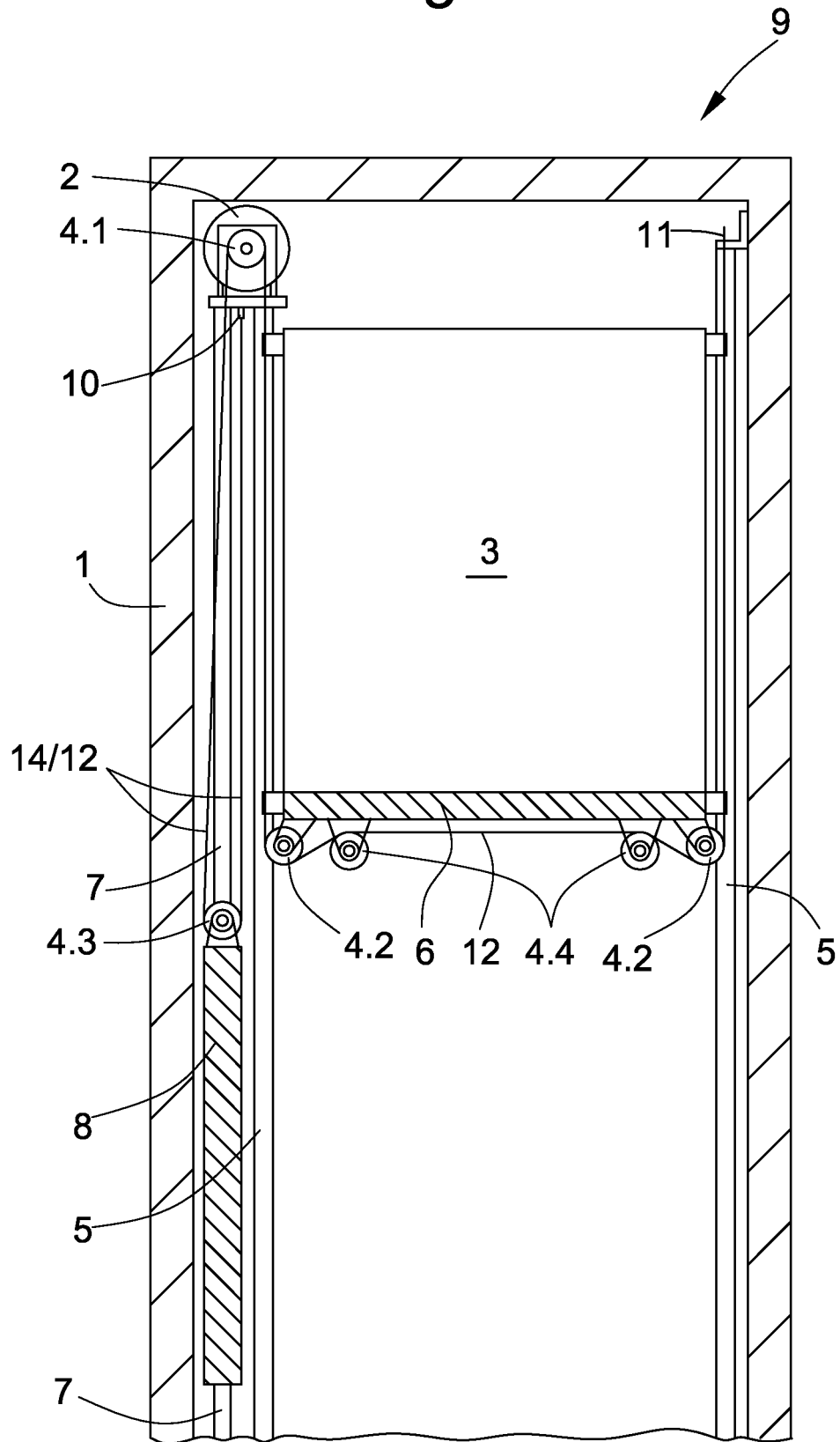


Fig.2a

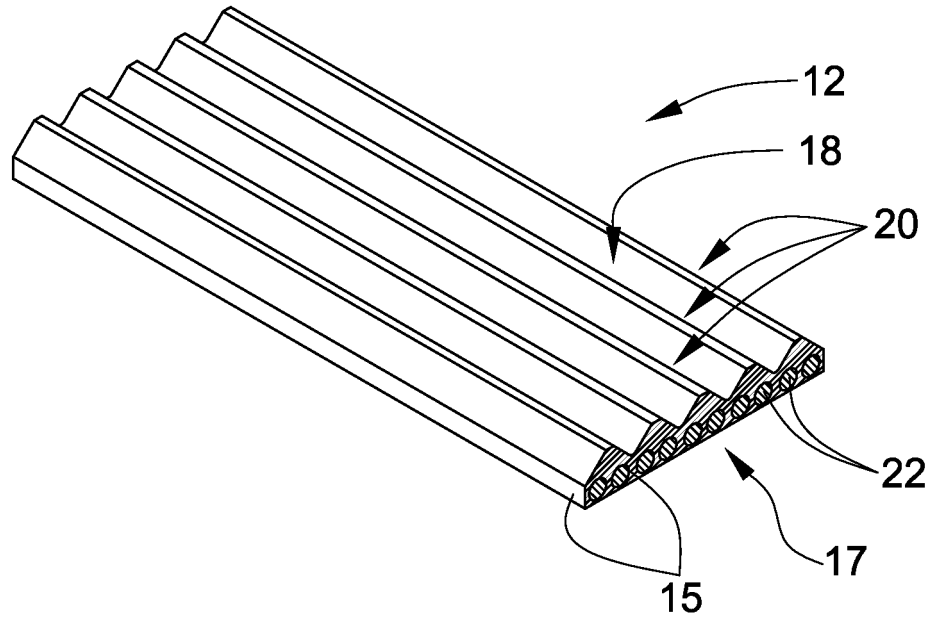


Fig.2b

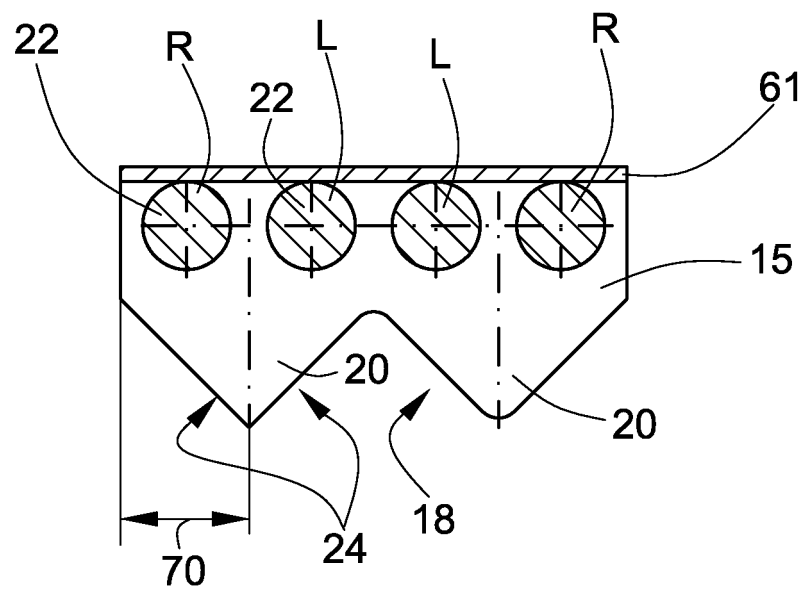


Fig. 3a

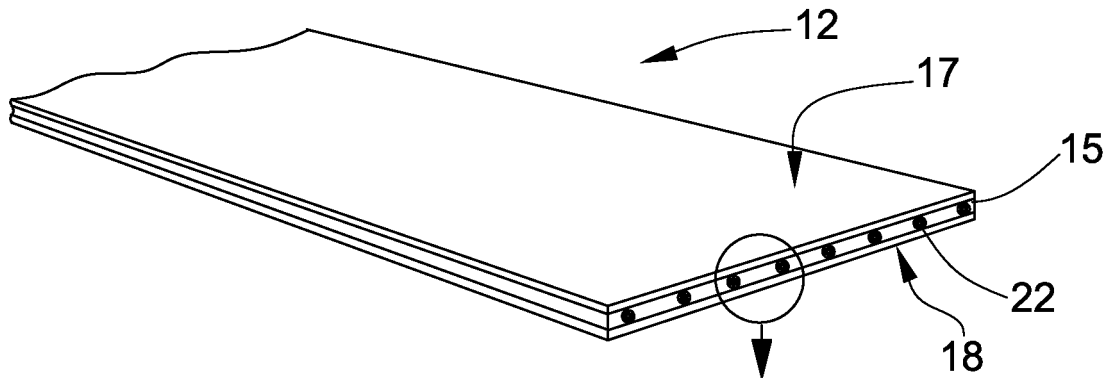


Fig. 3b

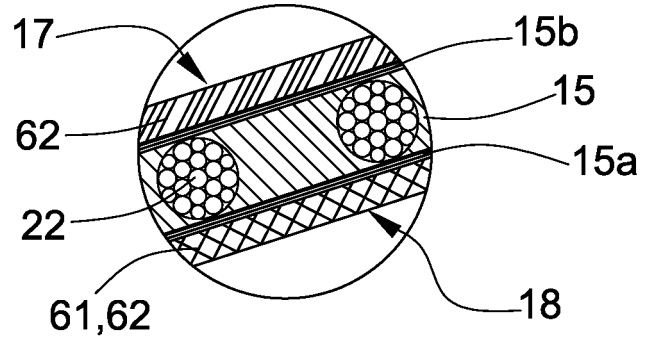


Fig. 4a

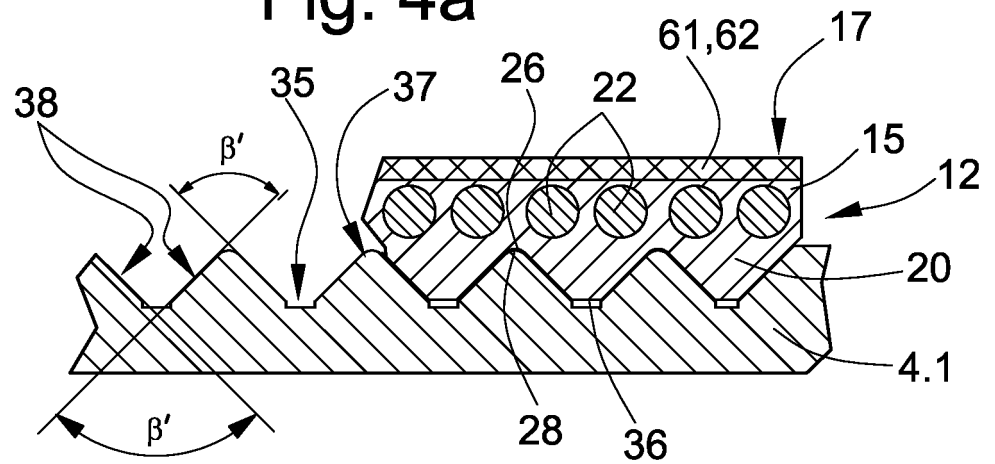


Fig. 4b

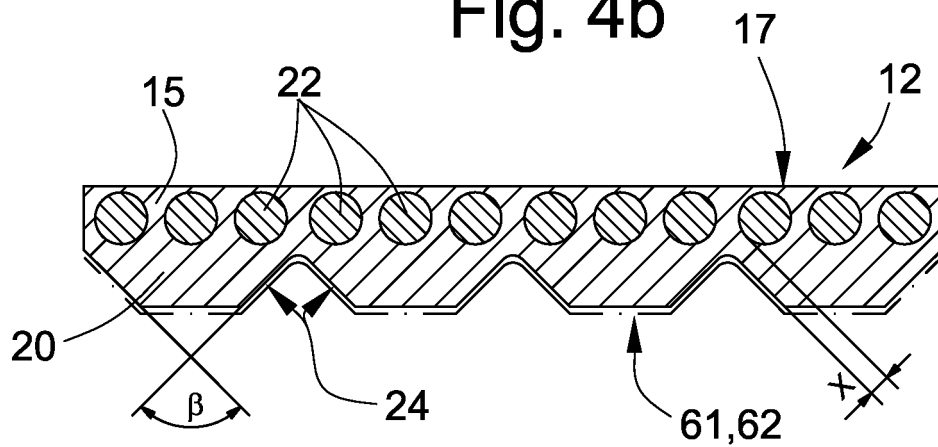


Fig. 5

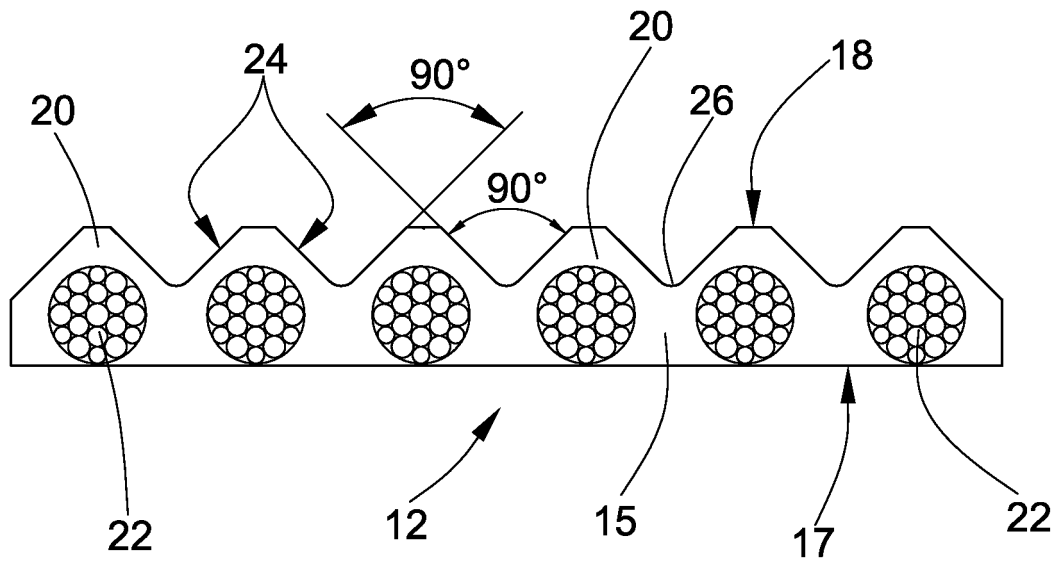


Fig. 6

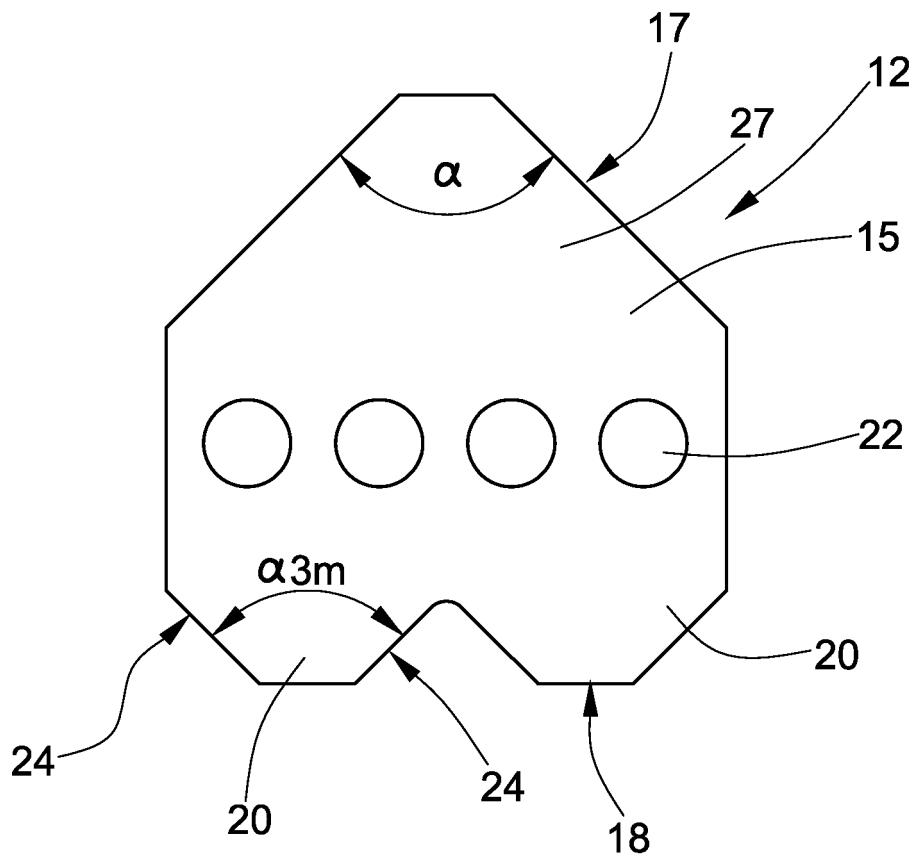
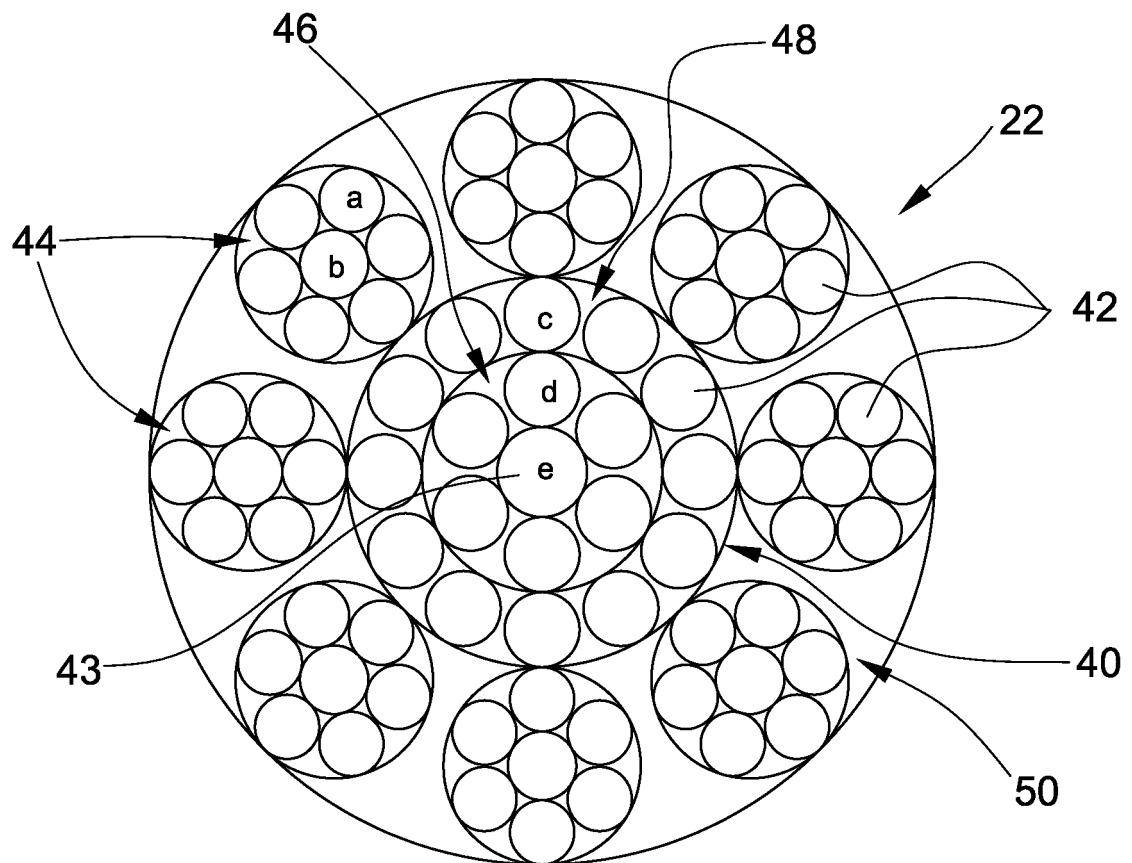


Fig. 7



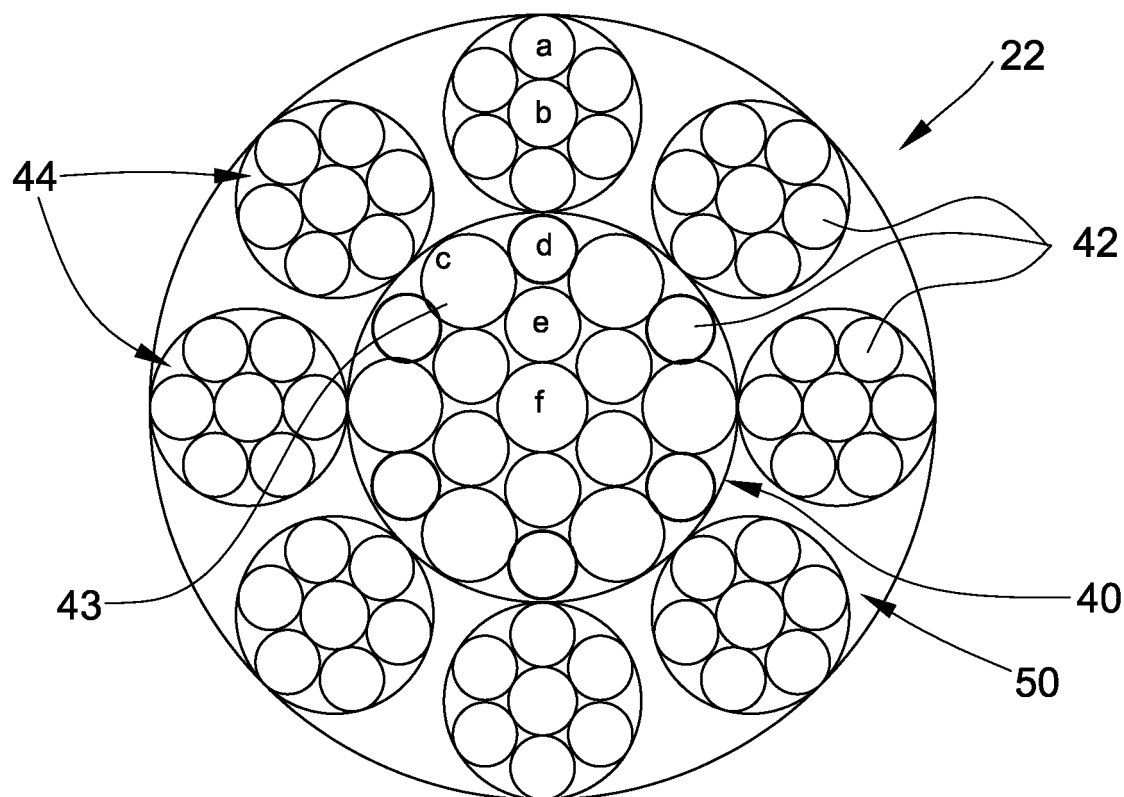
Cord	19+8x7	
	δ	N
	[mm]	-
a	0.160	48
b	0.160	8
c	0.170	12
d	0.170	6
e	0.190	1
Σ		75
d rechn.	1.83	
d eff.	1.73	
A (mm ²)	1.56	
FZM (N)	3'907	
σ_b (N/mm ²)	2'500	

Tabelle 7. I

Beispiele		
r	36	44
D	72	87
σ_b	554	459
D/ δ	379	458
D/d eff.	41.5	50

Tabelle 7. II

Fig. 8a



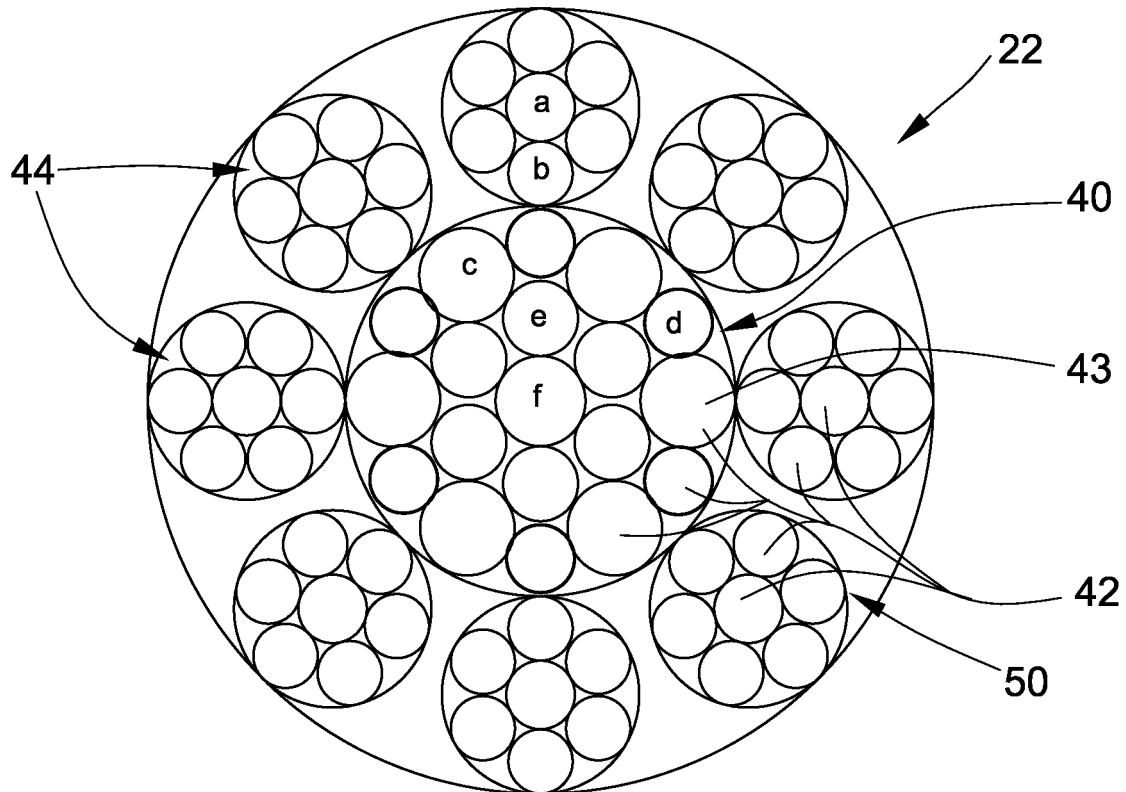
Cord	19+9x7	
	δ	N
	[mm]	-
a	0.140	54
b	0.140	9
c	0.220	6
d	0.160	6
e	0.200	6
f	0.210	1
Σ		82
d rechn.	1.79	
d eff.	1.70	
A (mm ²)	1.54	
FZM (N)	3'854	
σ_b (N/mm ²)	2'500	

Tabelle 8a. I

Beispiele		
r	36	44
D	72	87
ob	642	531
D/s	327	395
D/d eff.	42.4	51.3

Tabelle 8a. II

Fig. 8b



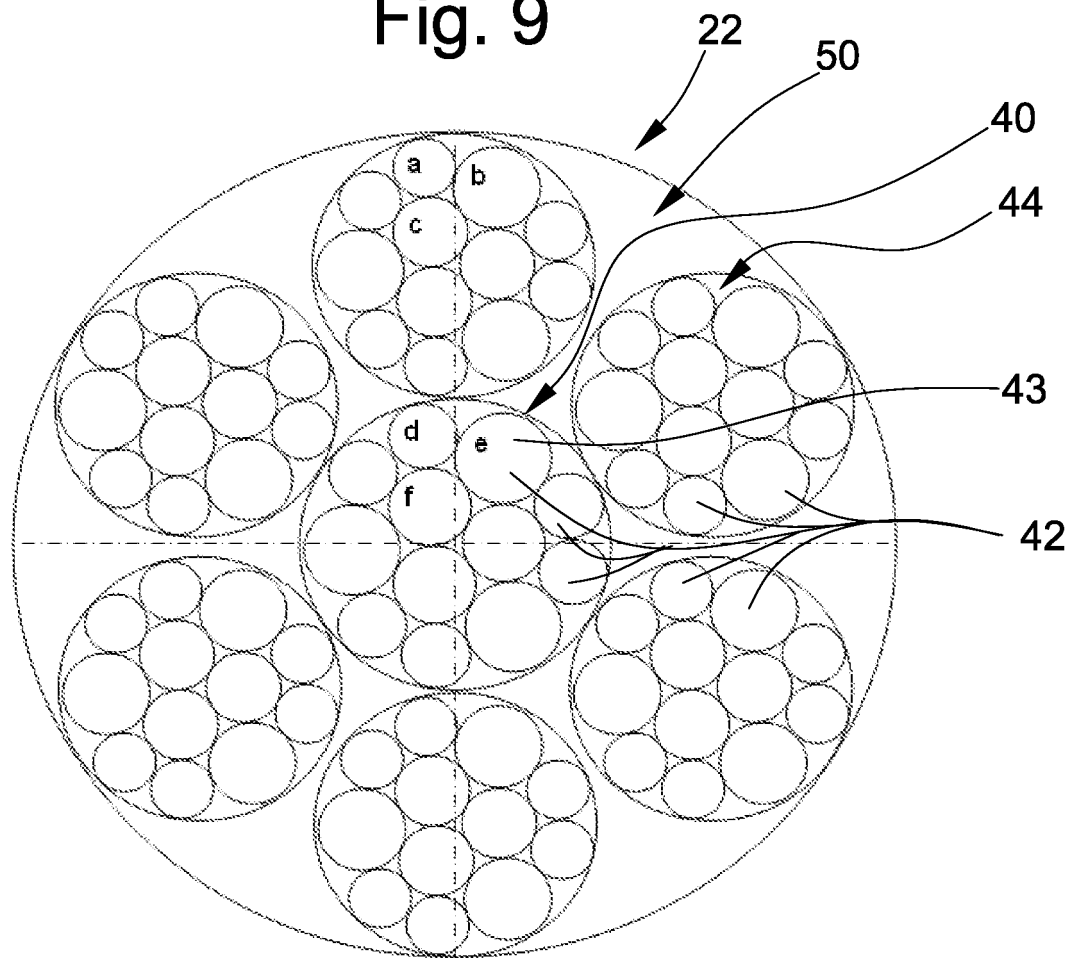
Cord	19+8x7	
	δ	N
	[mm]	-
a	0.150	48
b	0.150	8
c	0.220	6
d	0.160	6
e	0.200	6
f	0.210	1
Σ		75
d rechn.	1.85	
d eff.	1.75	
A (mm ²)	1.56	
FZM (N)	3'904	
σ_b (N/mm ²)	2'500	

Tabelle 8b. I

Beispiele		
r	36	44
D	72	87
σ_b	642	531
D/ δ	327	395
D/d eff.	41.1	49.6

Tabelle 8b. II

Fig. 9



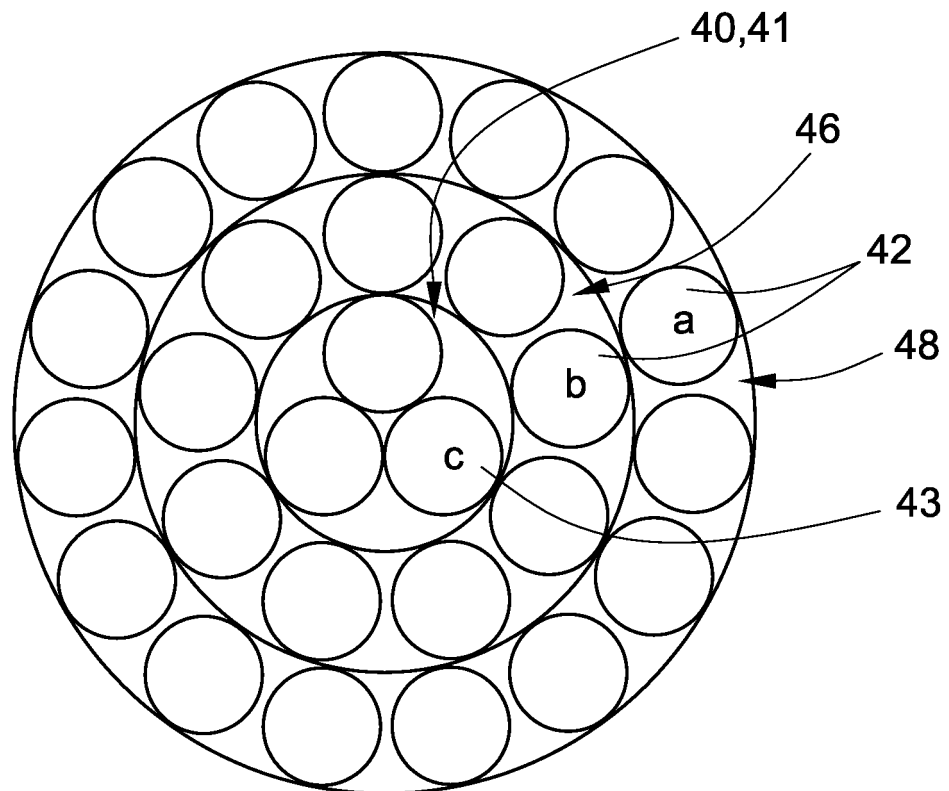
Cord		
	δ	N
	[mm]	-
a	0.17	36
b	0.25	18
c	0.22	18
d	0.20	6
e	0.30	3
f	0.25	3
Σ		84
d rechn.	2.49	
d eff.	2.50	
A (mm ²)	2.93	
FZM (N)	7331.9	

Tabelle 9. I

Beispiele					
r	36	44	54	63	75
D	72	87	107	125	150
cb	875	724	589	504	420
D/ δ	240	290	357	417	500
D/d eff.	28.8	34.8	42.8	50.0	60.0

Tabelle 9. II

Fig. 10



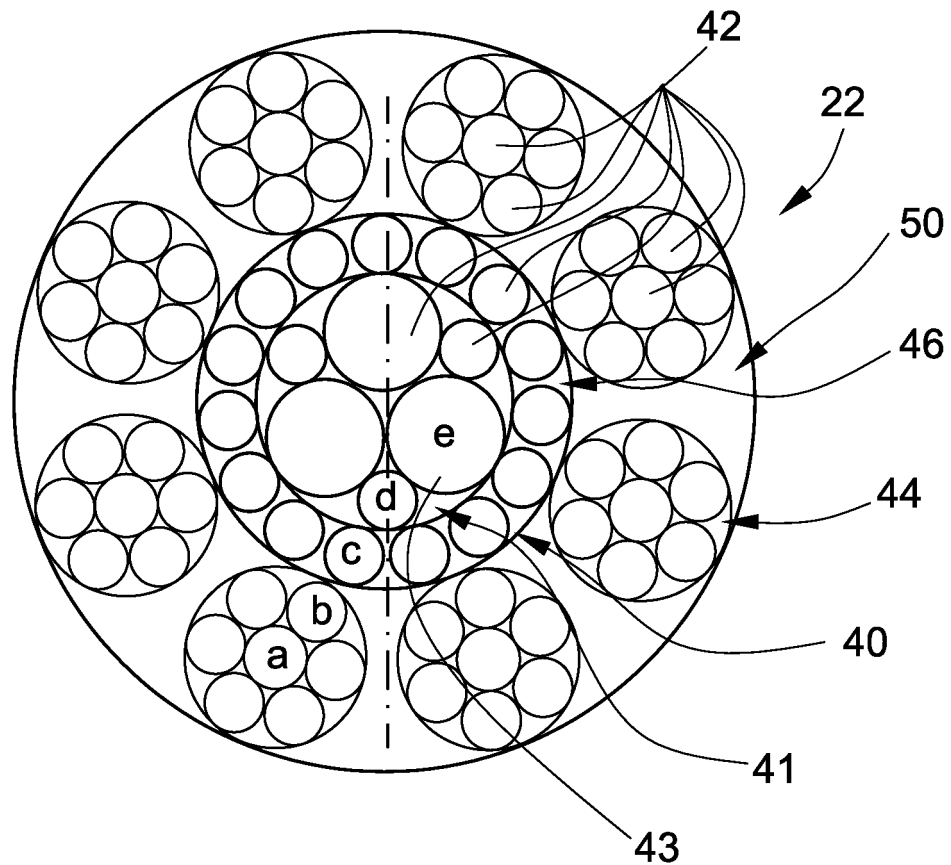
Cord		
	δ [mm]	N
a	0.27	15
b	0.27	9
c	0.30	3
Σ		27
d rechn.	1.73	
d eff.	1.64	
A (mm ²)	1.59	
FZM (N)	3965.5	

Tabelle 10. I

Beispiele				
r	36	44	54	63
D	72	87	107	125
ob	875	724	589	504
D/ δ	240	290	357	417
D/d eff.	43.9	53.0	65.2	76.2

Tabelle 10. II

Fig. 11



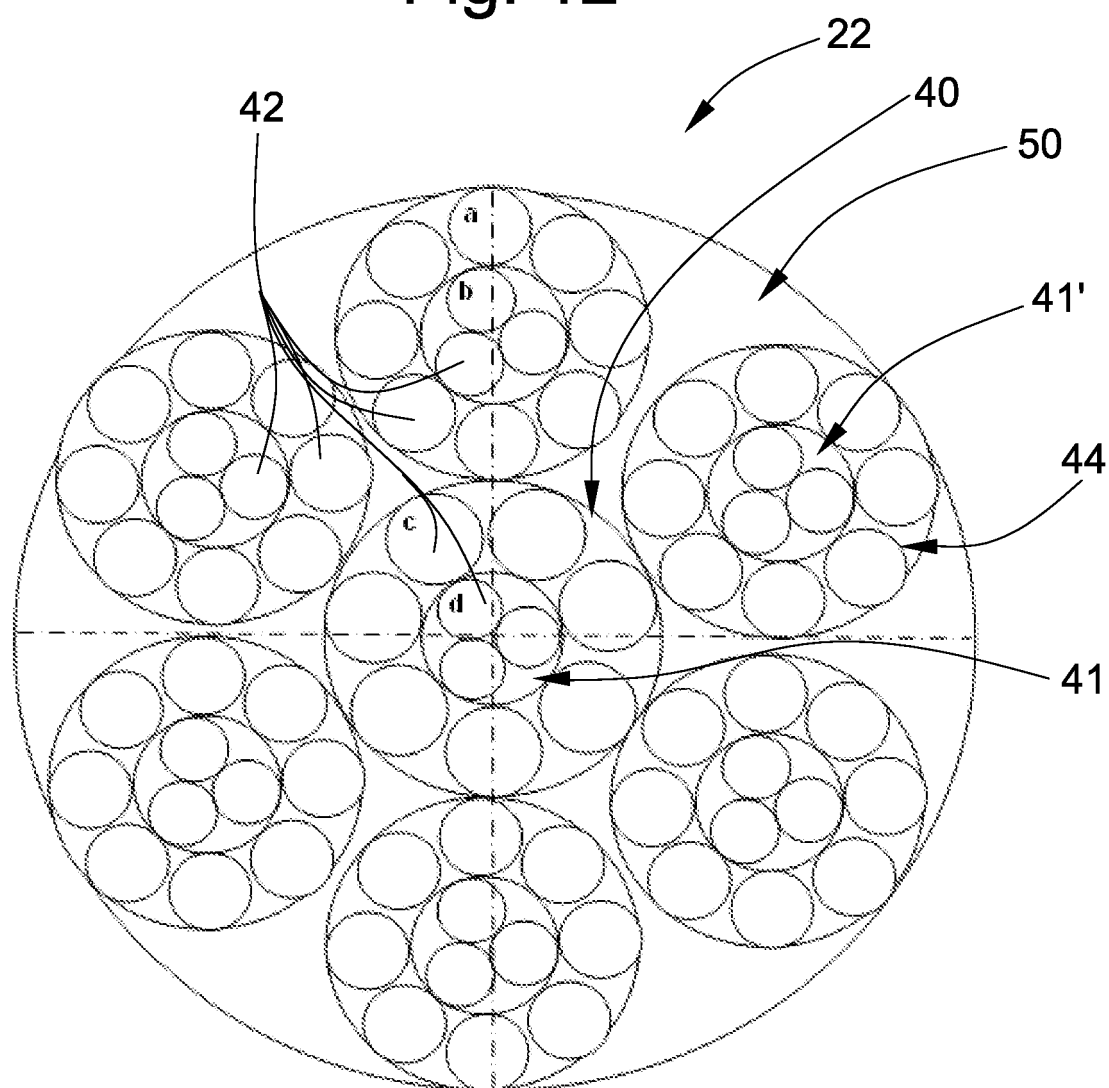
Cord		
	δ	N
	[mm]	-
a	0.16	48
b	0.16	8
c	0.14	15
d	0.15	3
e	0.30	3
Σ		77
d rechn.	1.89	
d eff.	1.79	
A (mm ²)	1.62	
FZM (N)	4054.80	

Tabelle 11. I

Beispiele				
r	36	44	54	63
D	72	87	107	125
cb	875	724	589	504
D/ δ	240	290	357	417
D/d eff.	40.3	48.6	59.8	69.9

Tabelle 11. II

Fig. 12



Cord		
	δ	N
	[mm]	-
a	0.23	48
b	0.19	18
c	0.27	7
d	0.18	3
Σ		76
d rechn.	2.67	
d eff.	2.55	
A (mm ²)	2.98	
FZM (N)	7450	

Tabelle 12. I

Beispiele					
r	36	44	54	63	75
D	72	87	107	125	150
σ_b	788	652	530	454	378
D/ δ	240	290	357	417	500
D/d eff.	28.2	34.1	42.0	49.0	58.8

Tabelle 12. II