

FIG.1

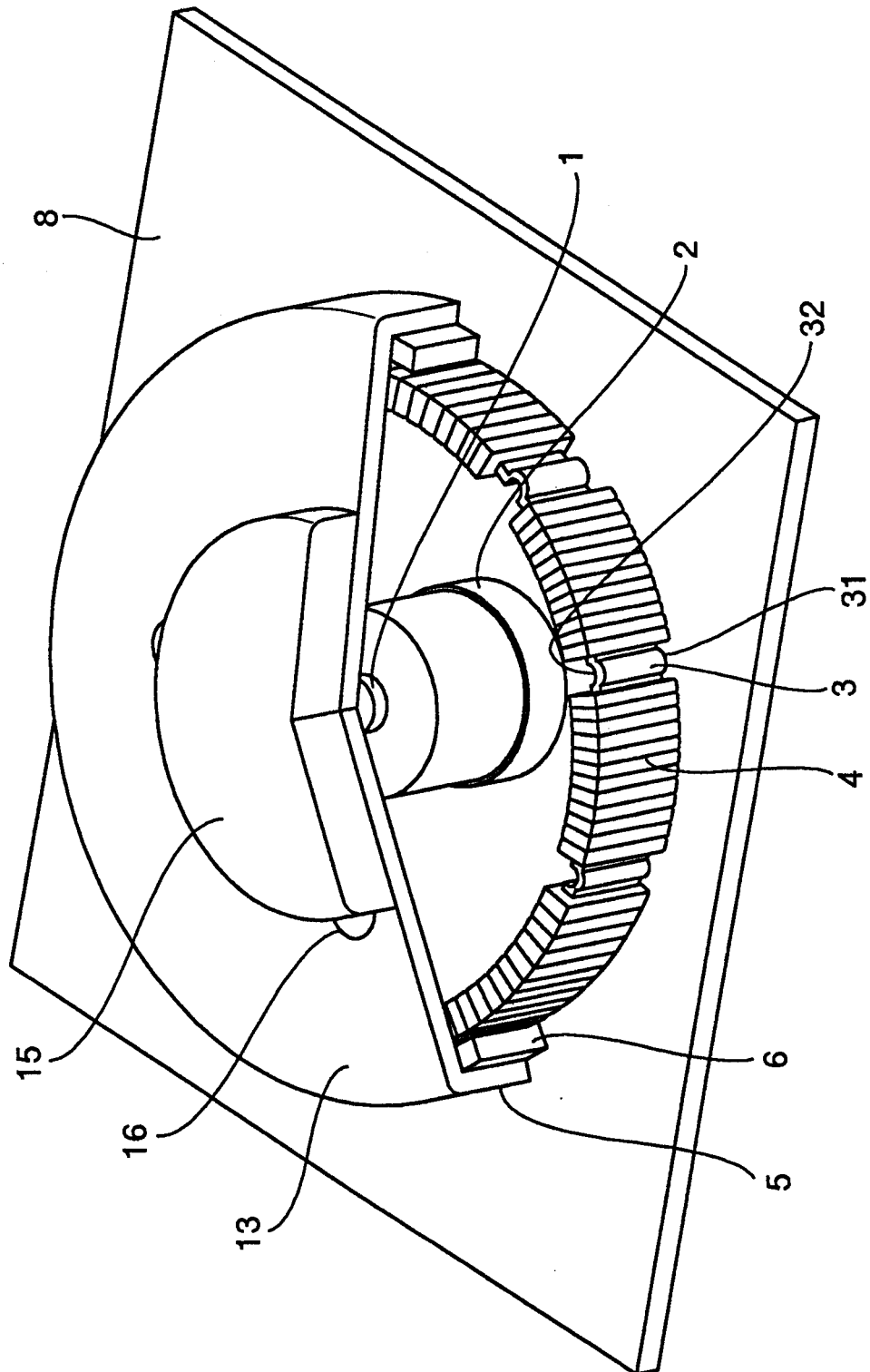


FIG.2

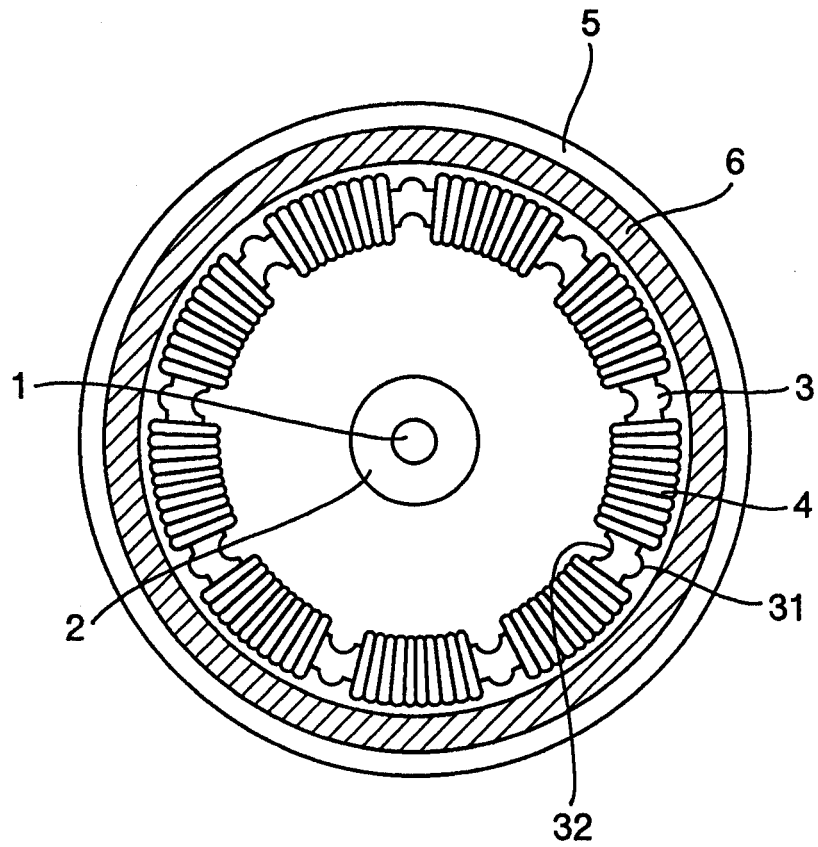
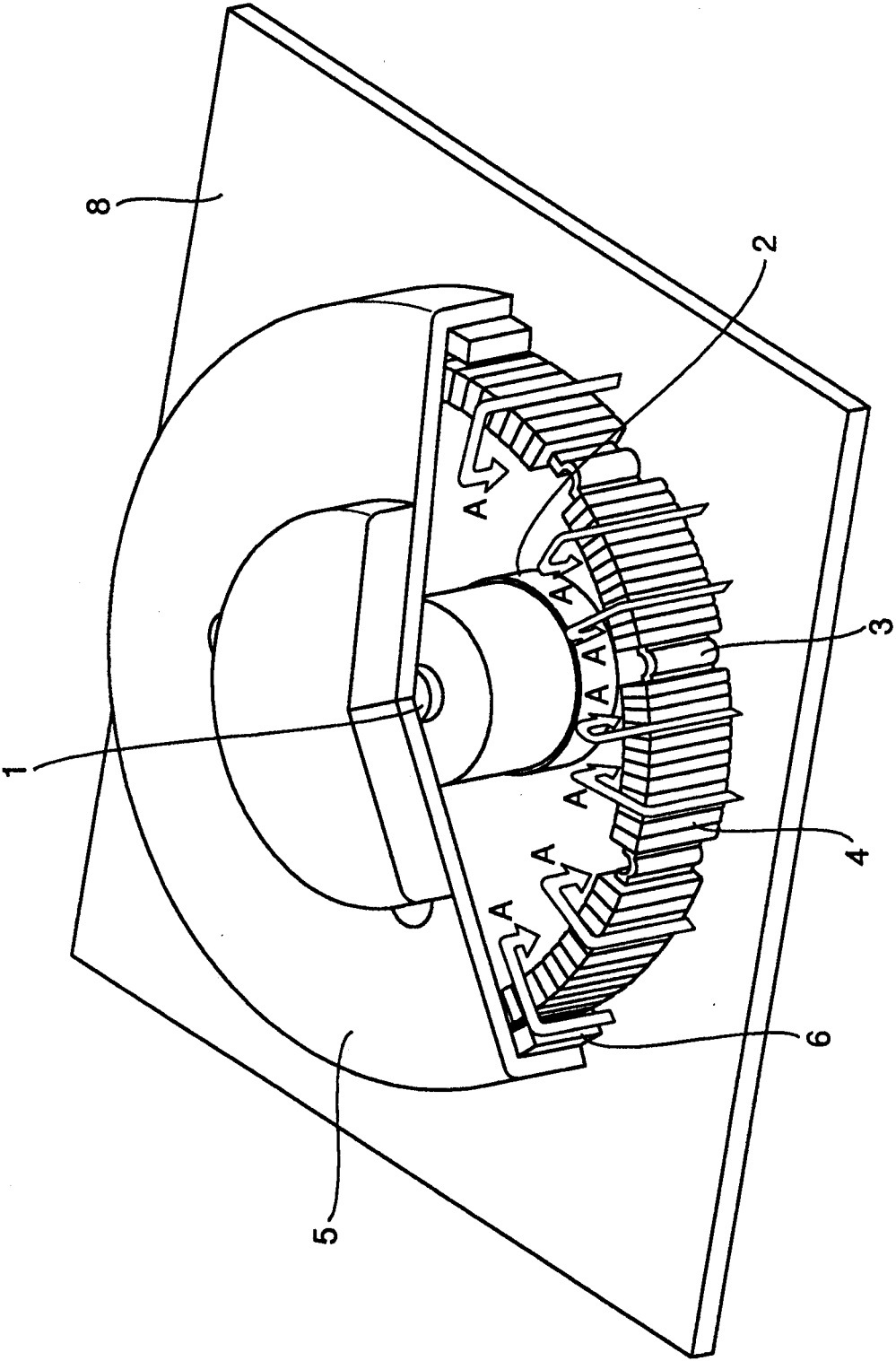
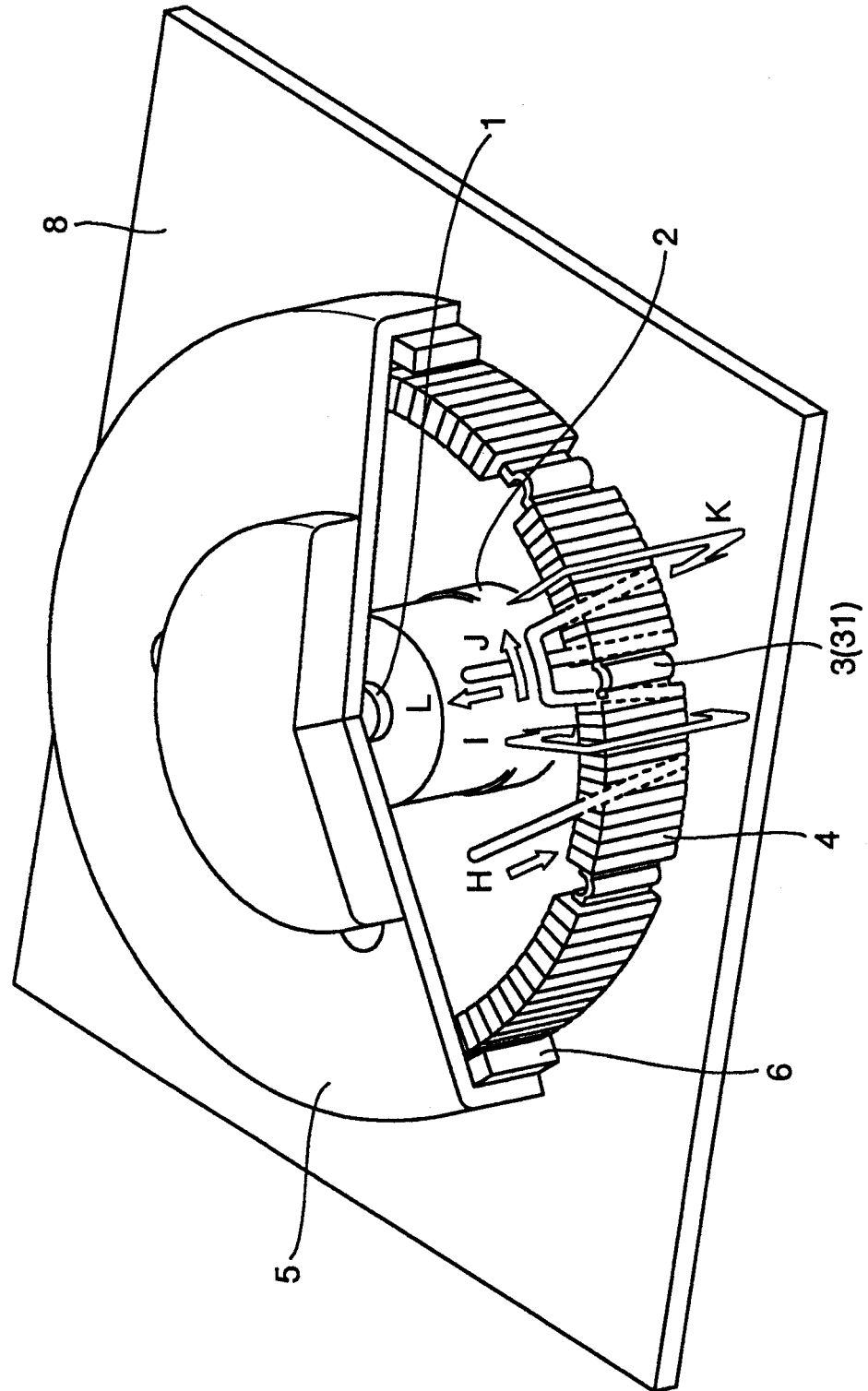


FIG.3



4/23

FIG.4



5/23

FIG.5

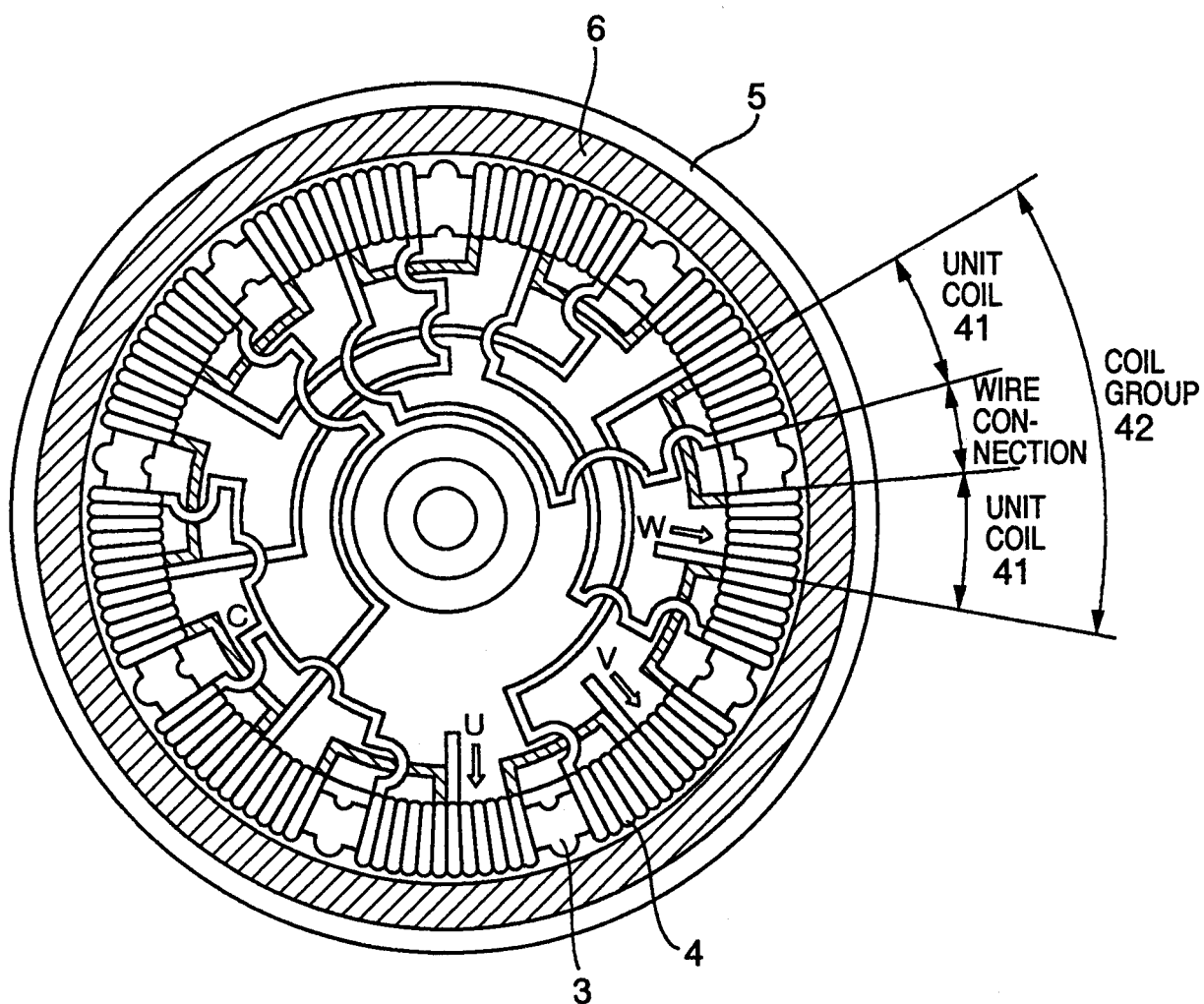


FIG.6

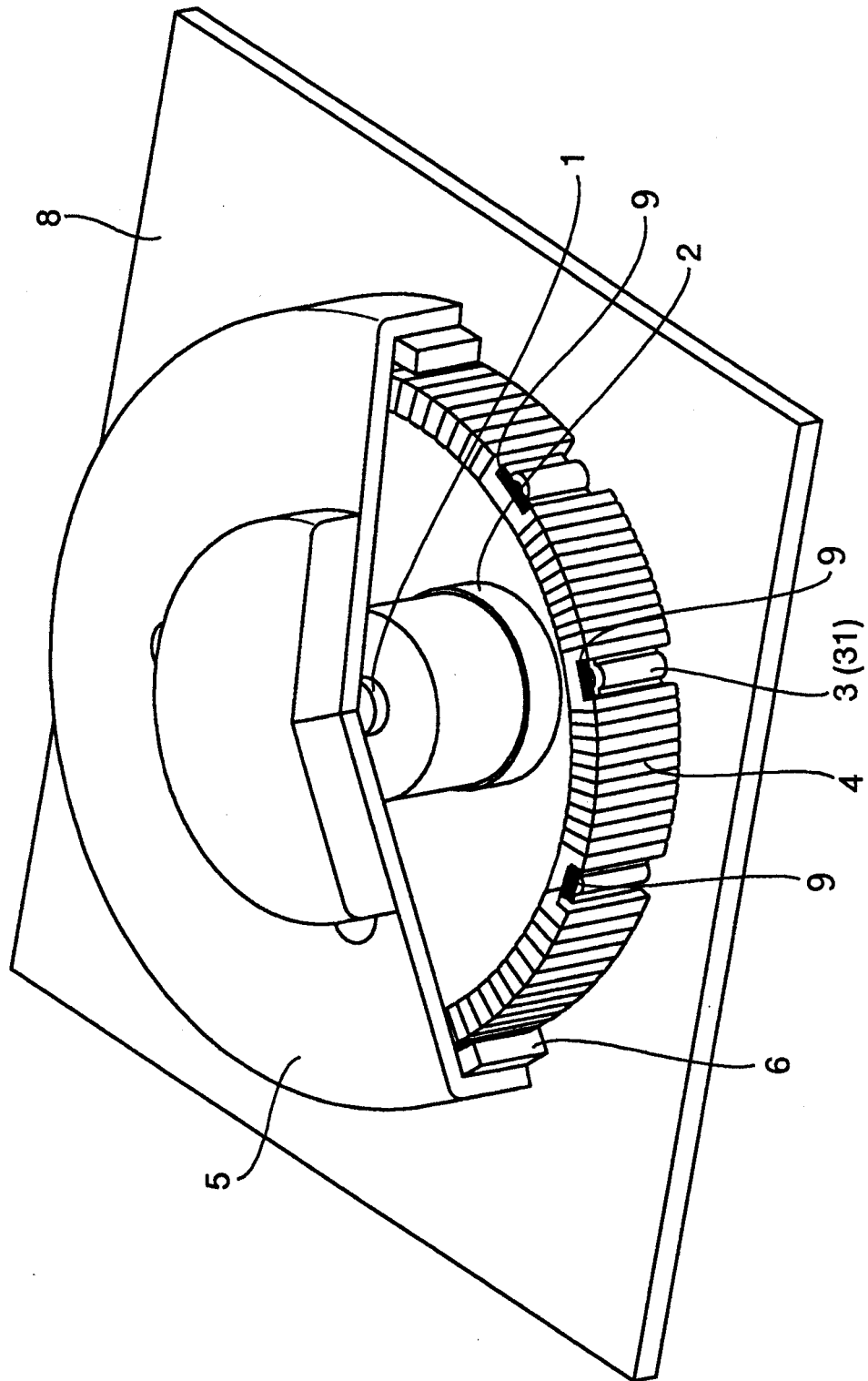
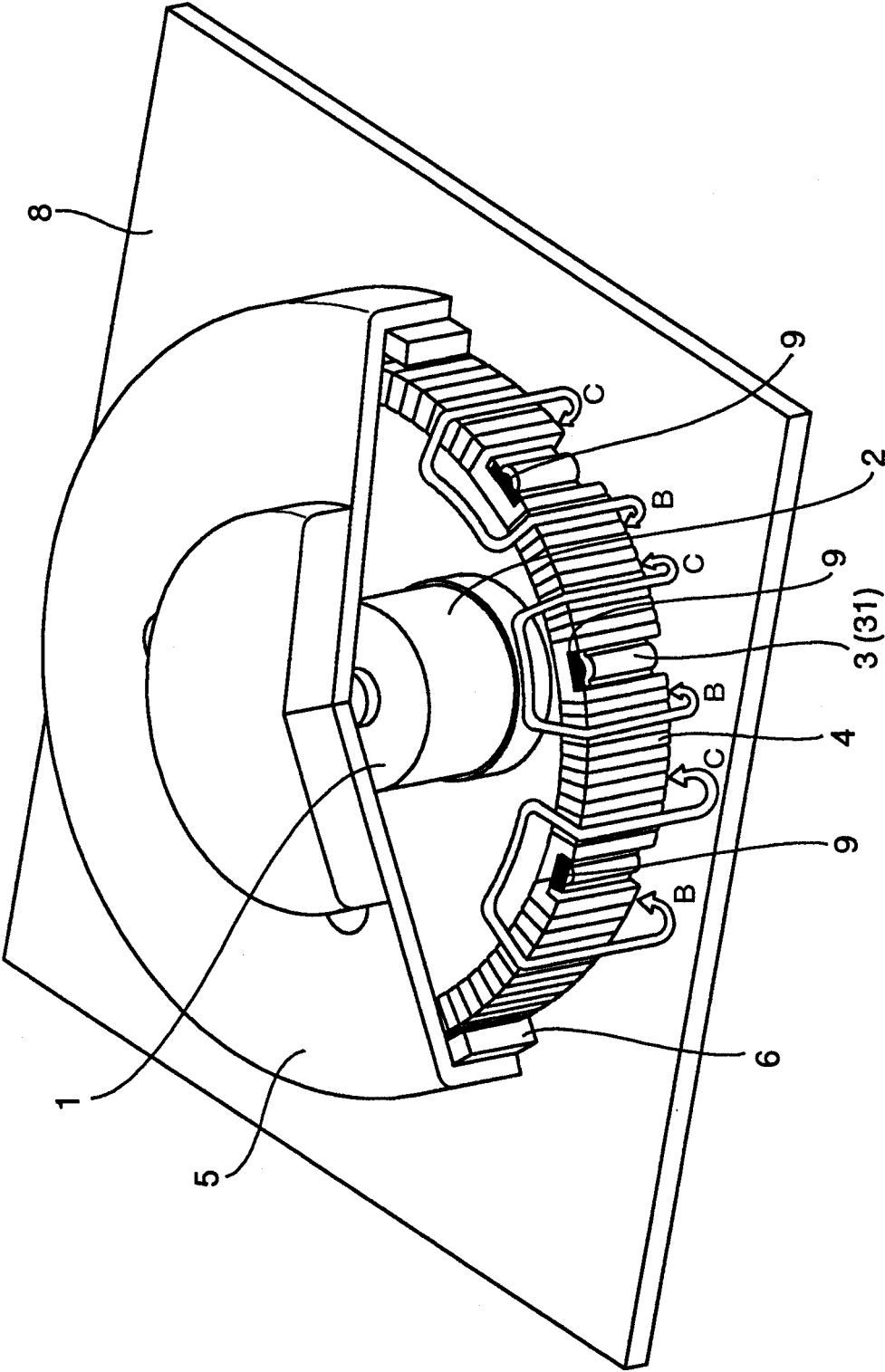
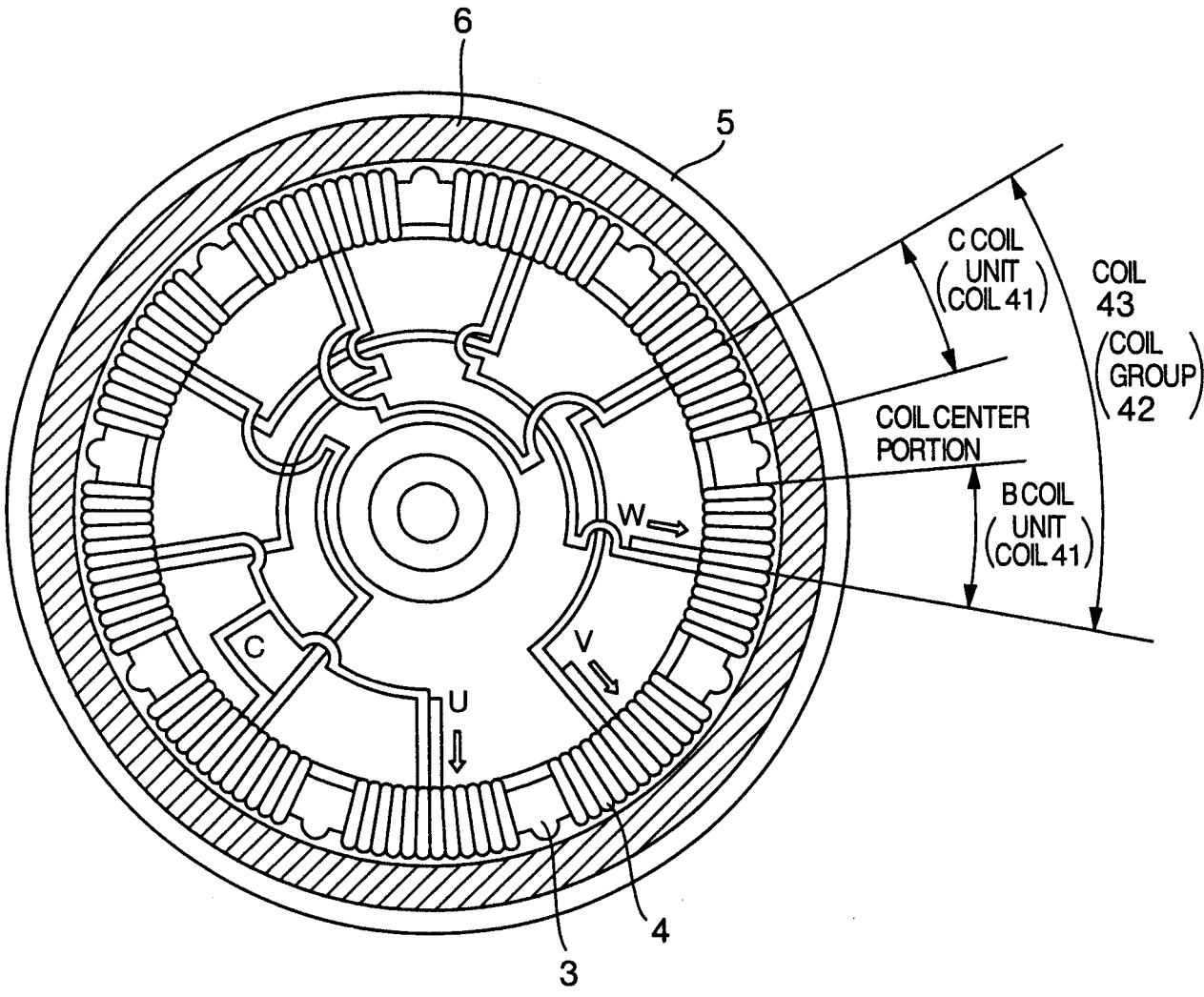


FIG.7



9/23

FIG.9



10/23

FIG.10 (a)

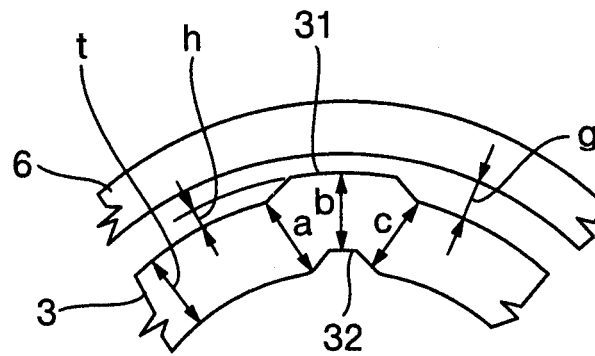


FIG.10 (b)

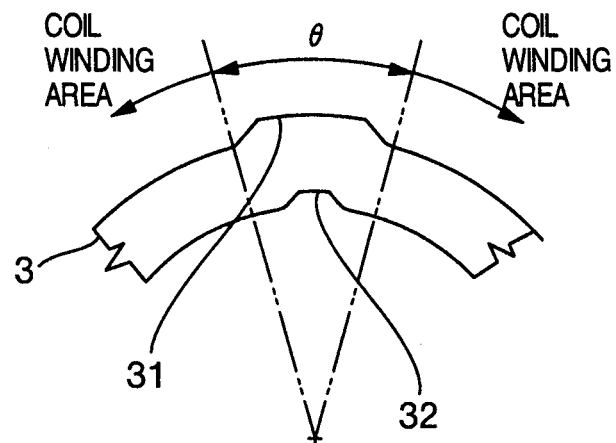
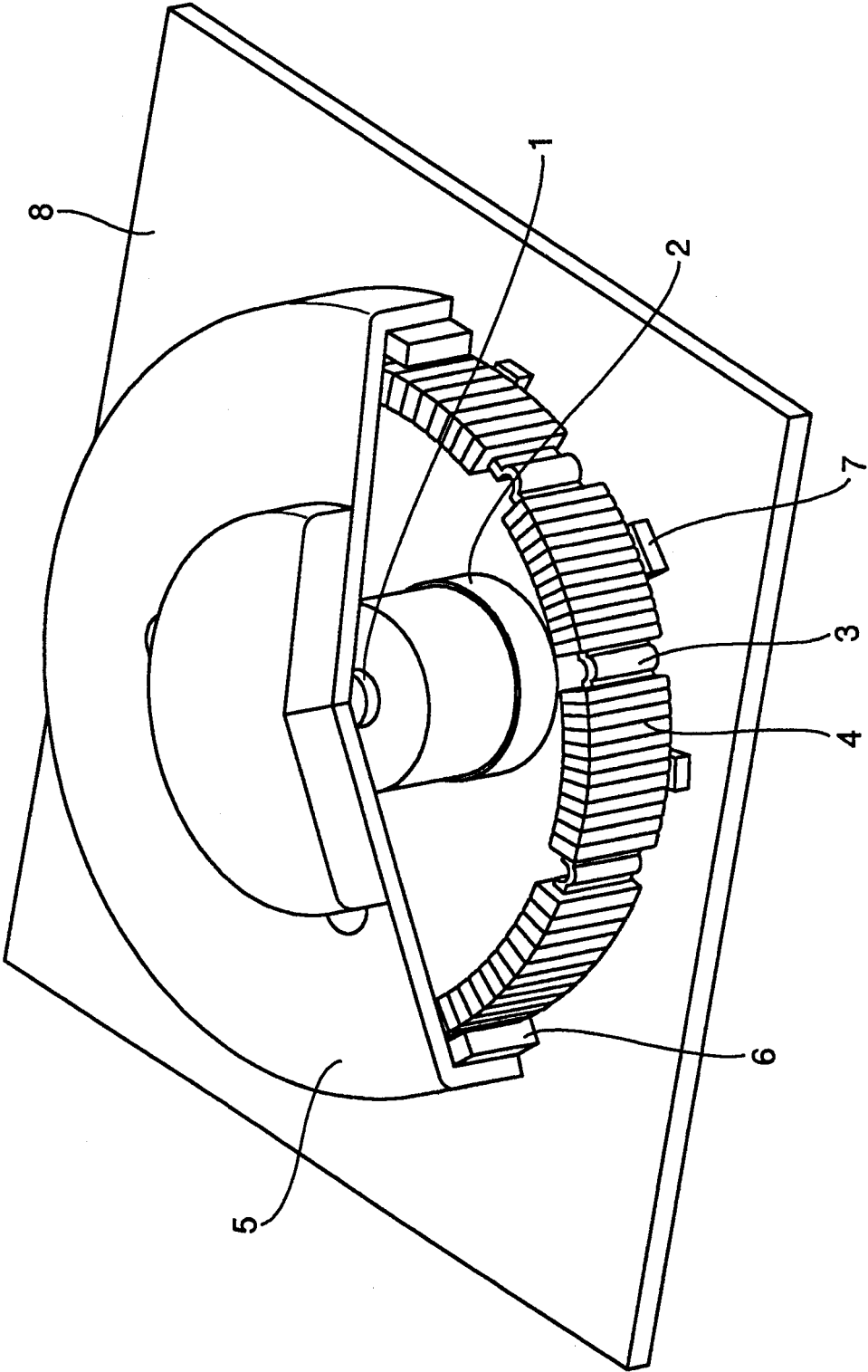
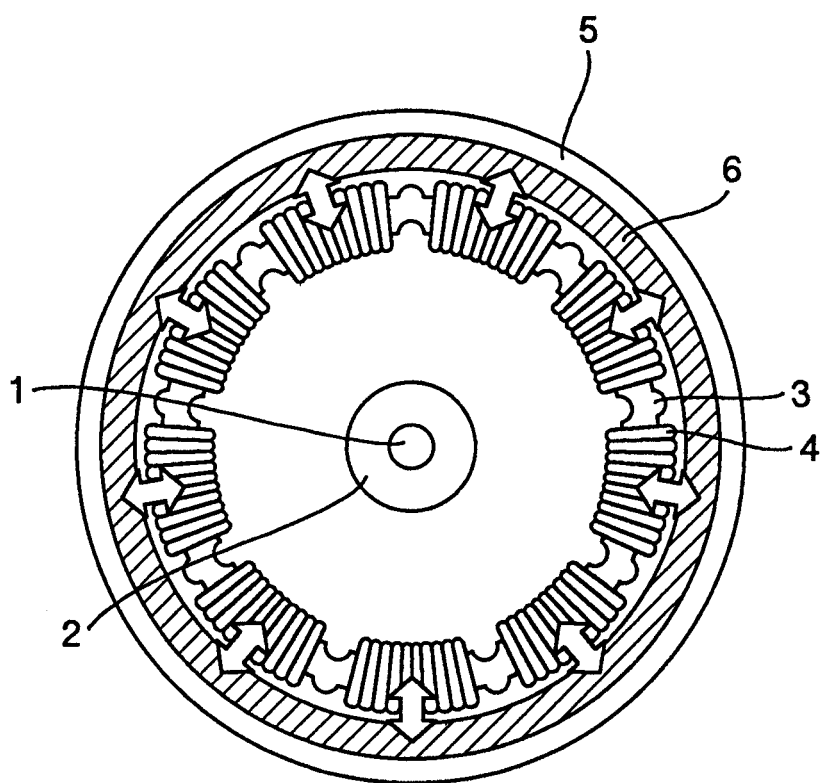


FIG.11



12/23

FIG.12



↔ : SUCTION FORCE DUE TO MAGNET

13/23

FIG.13 (a)

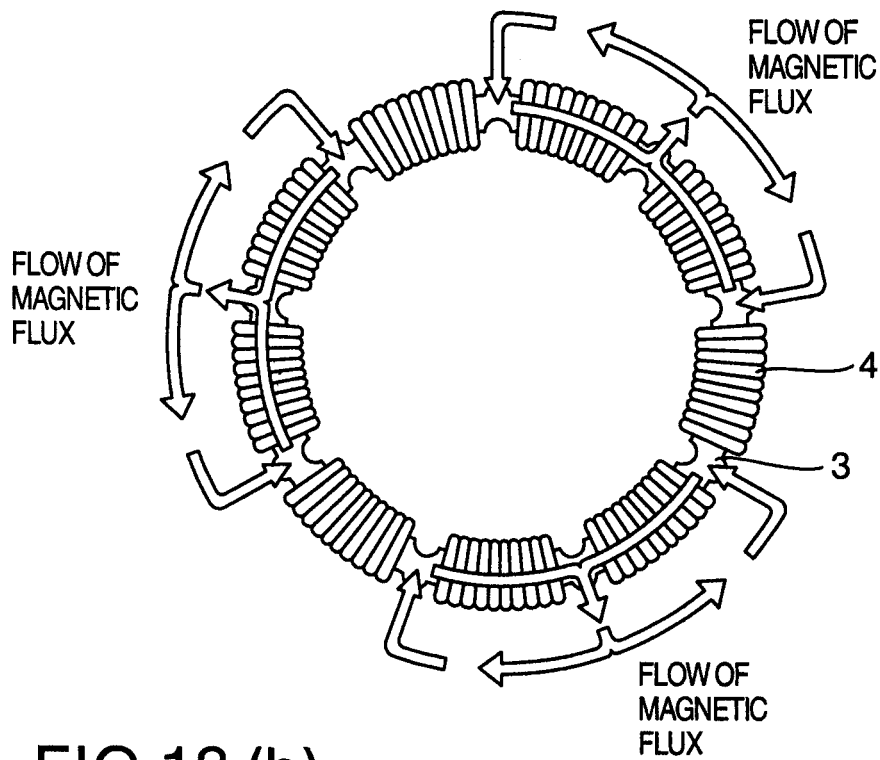
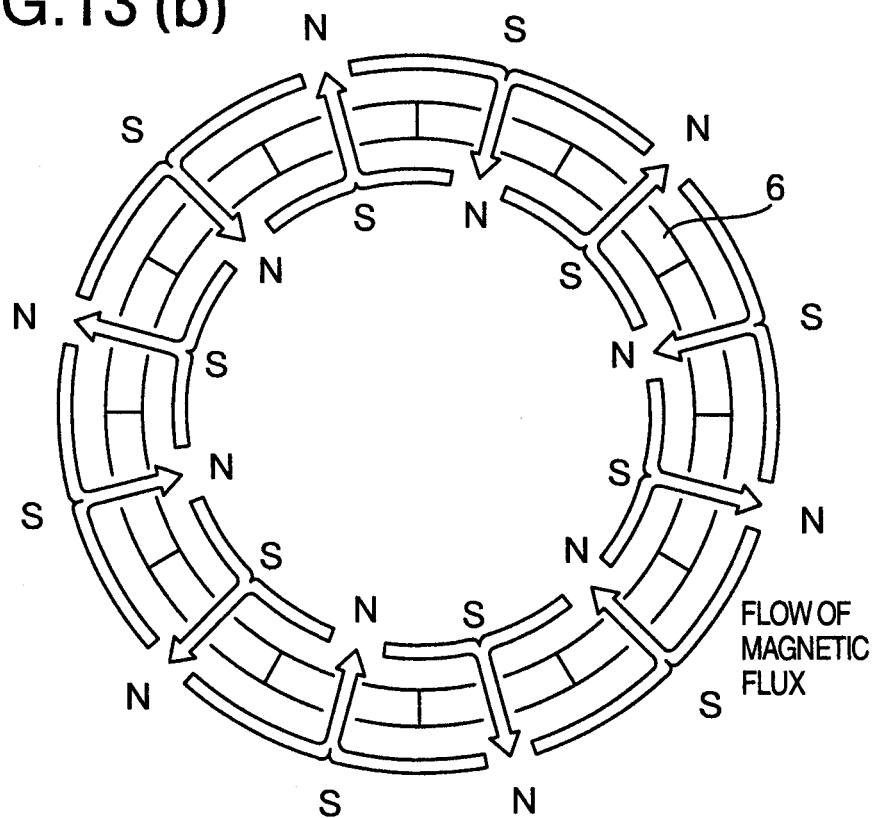


FIG.13 (b)



14/23

FIG.14 (a)

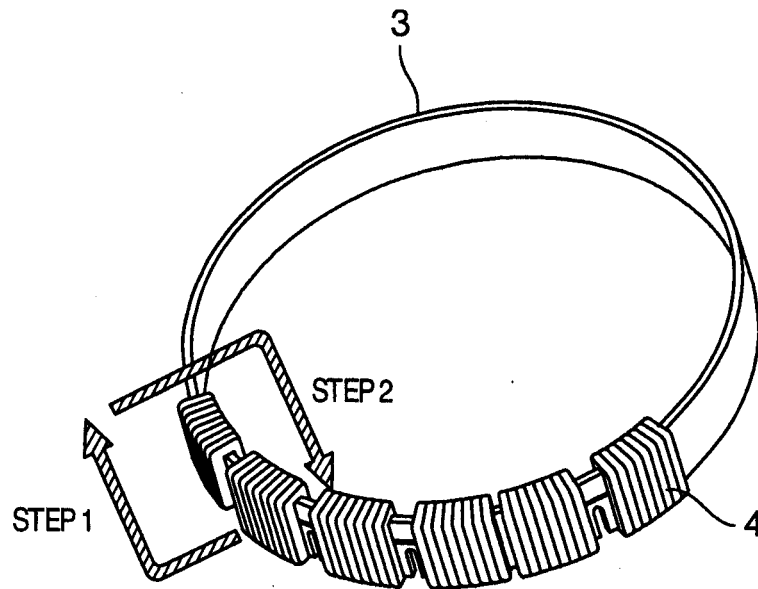


FIG.14 (b)

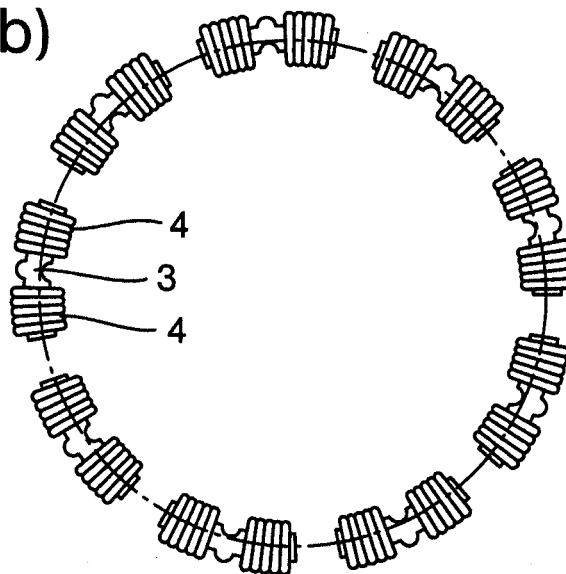
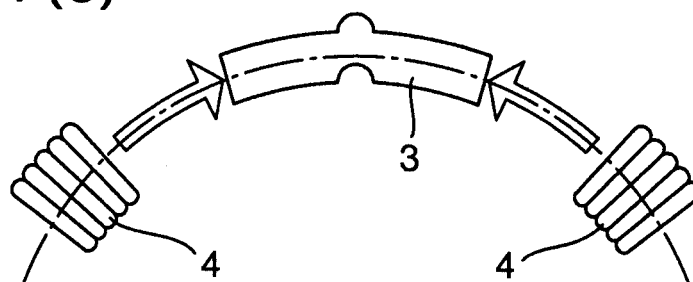


FIG.14 (c)



15/23

FIG.15

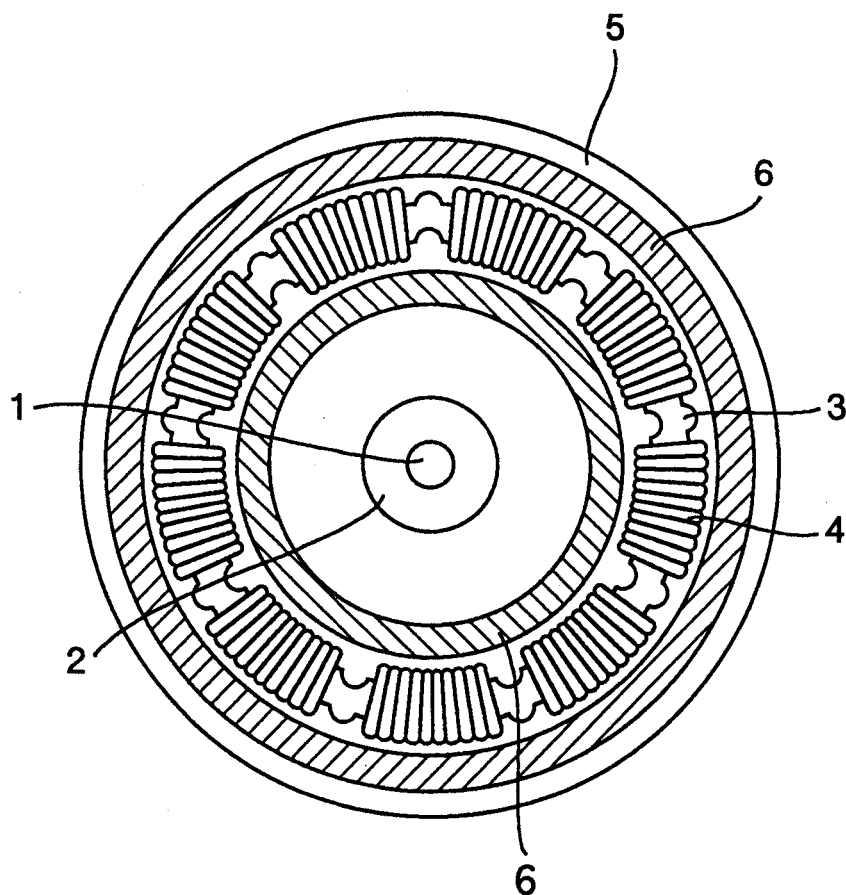
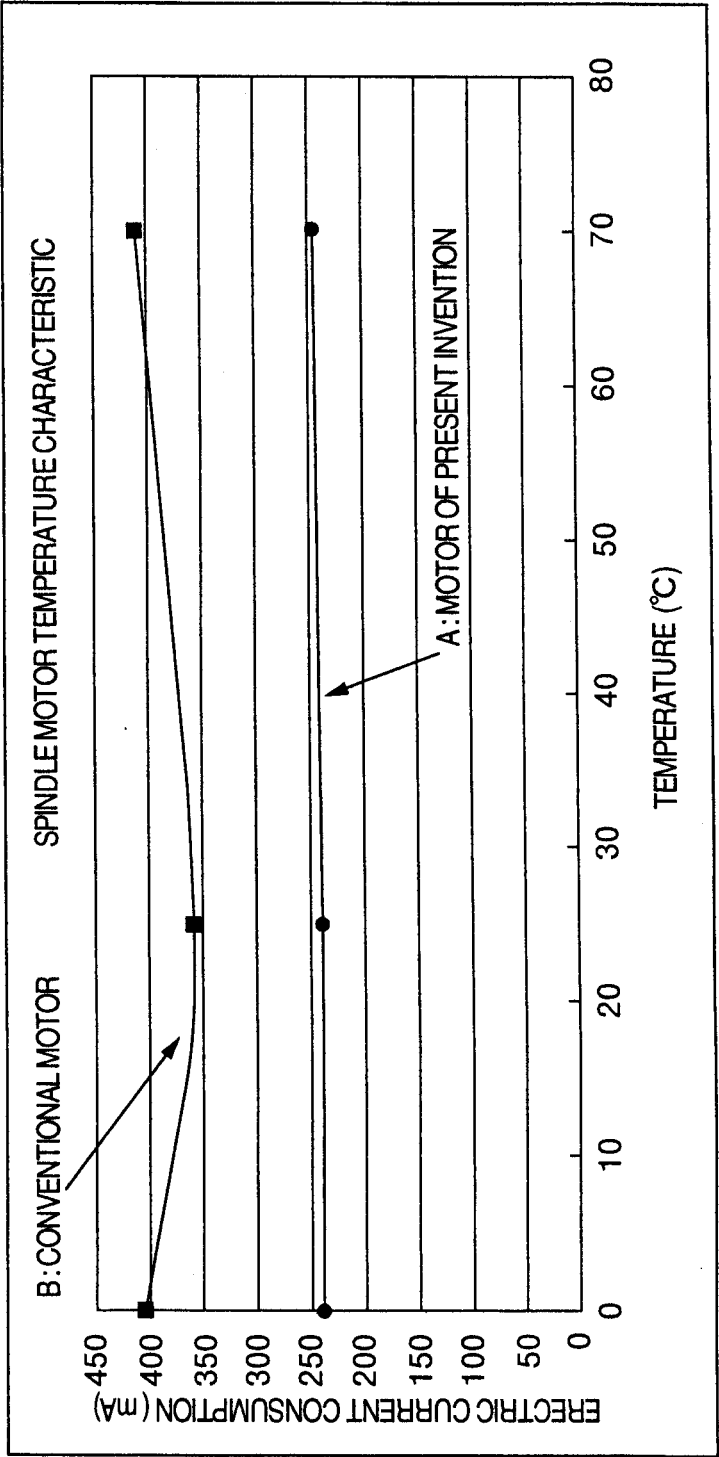


FIG.16

ESTIMATION OF MOTOR TEMPERATURE CHARACTERISTIC

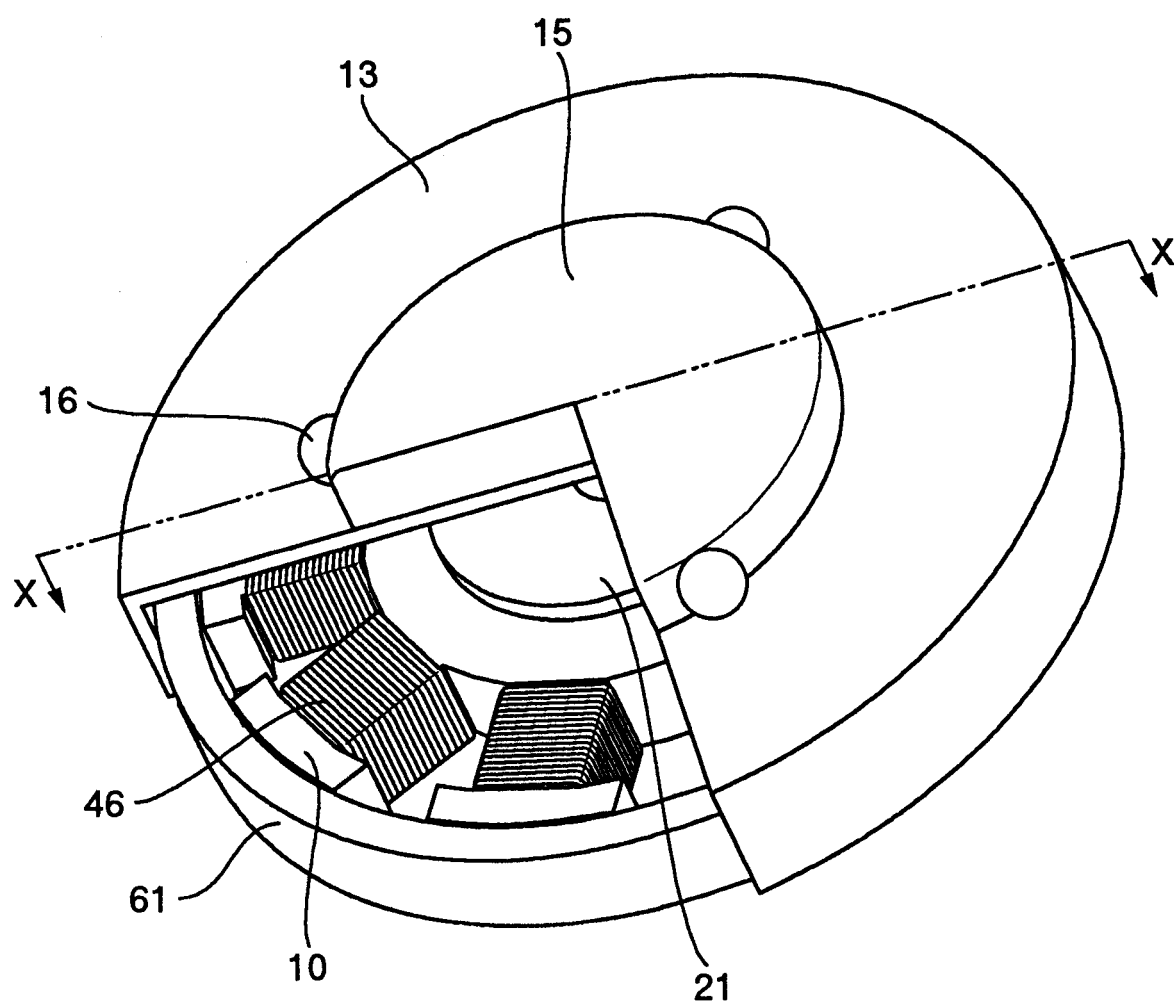
A	MOTOR OF PRESENT INVENTION		FIG.1
	CONVENTIONAL	FIG.17	
B			

TEMPERATURE	(°C)	0	25	70
A	(mA)	240	240	245
B	(mA)	405	360	411



17/23

FIG.17



18/23

FIG.18

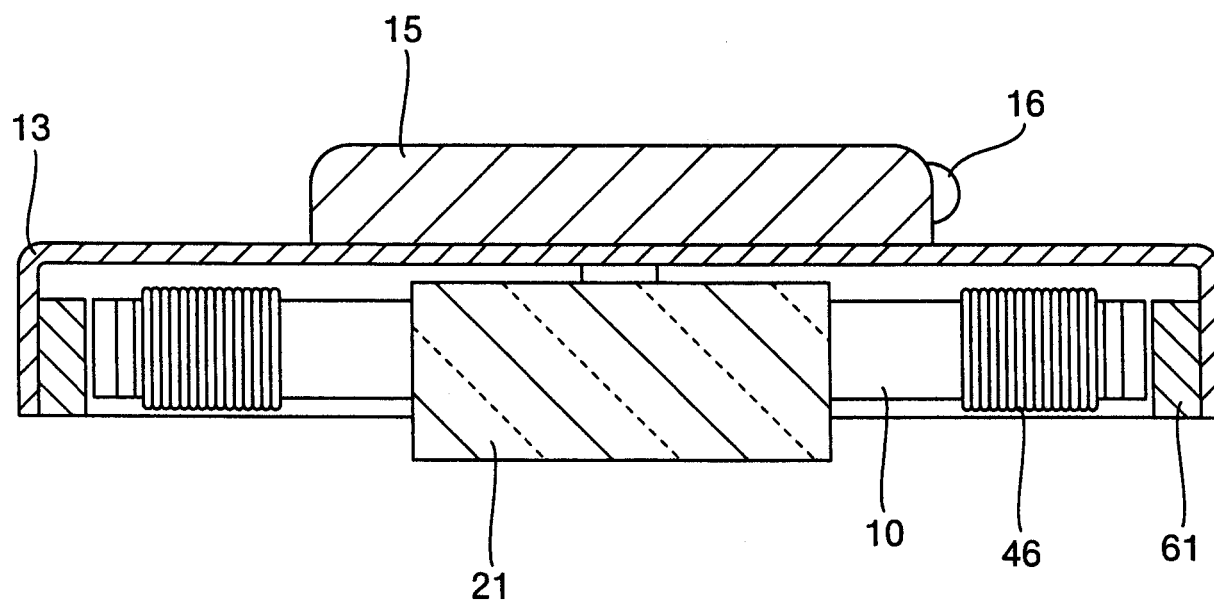


FIG.19

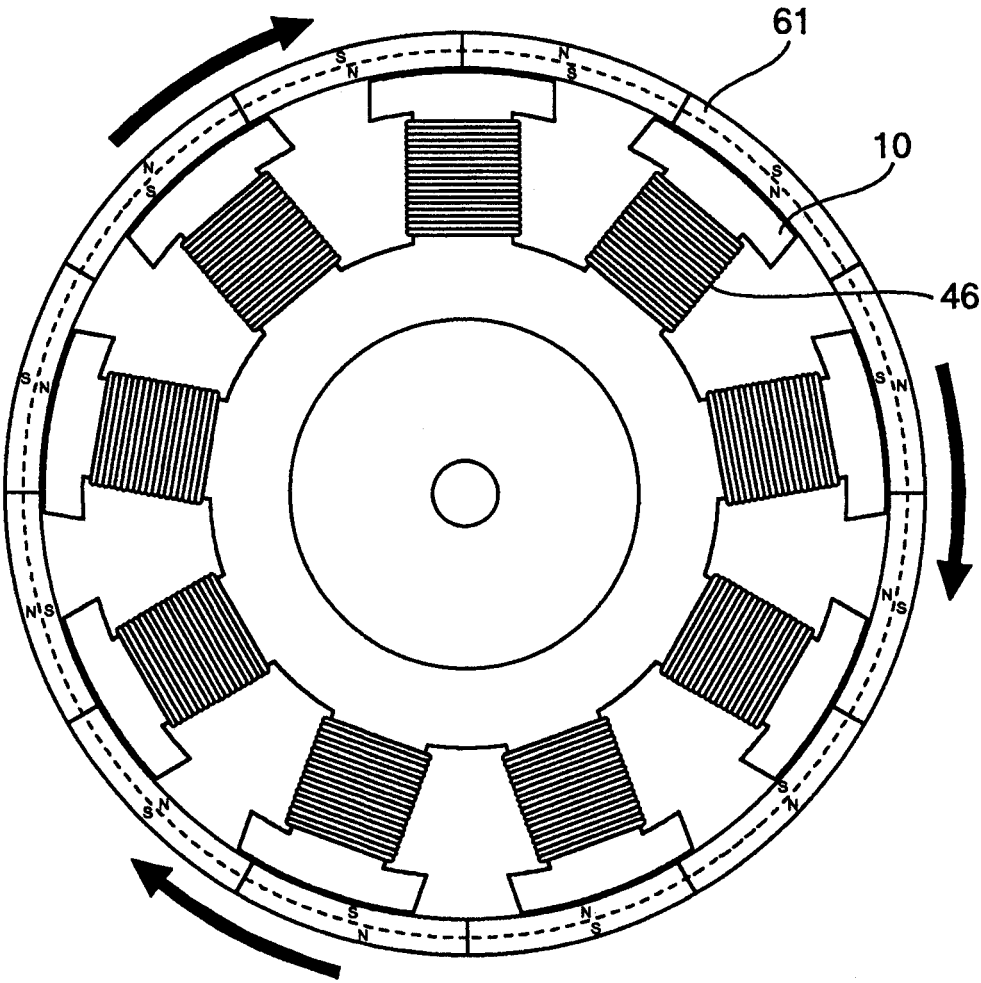


FIG.20

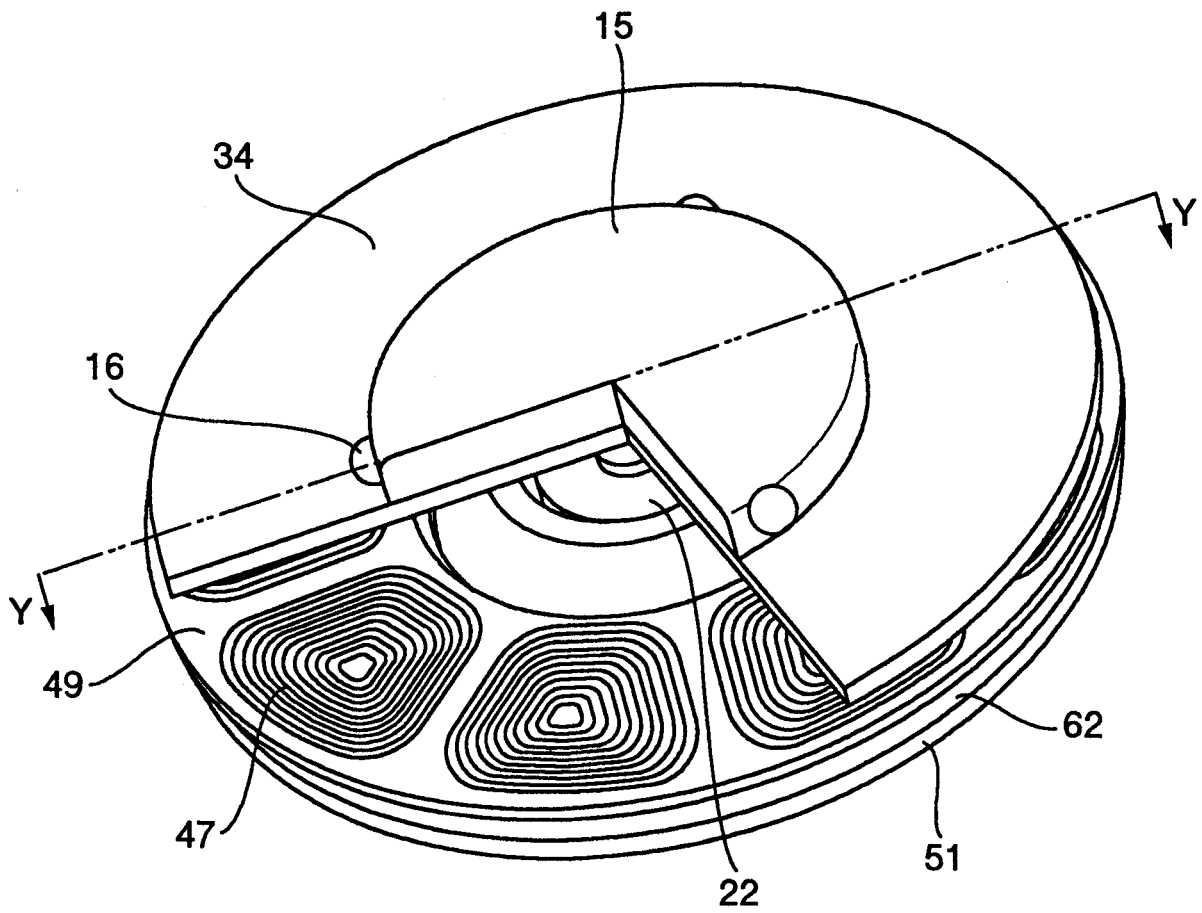


FIG.21

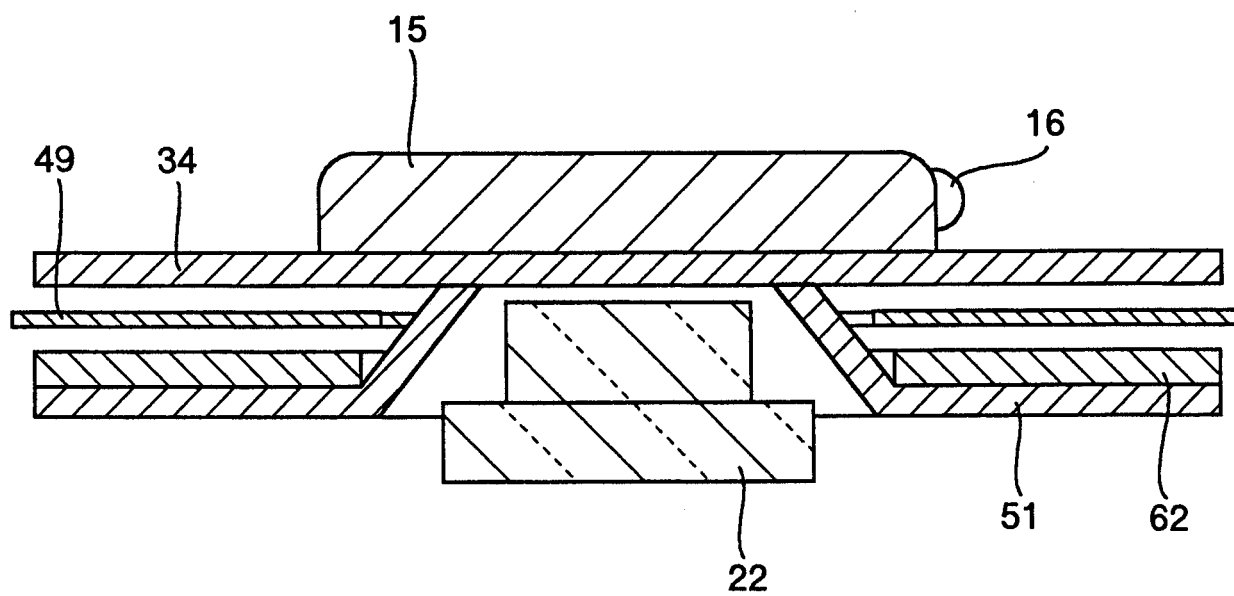


FIG.22

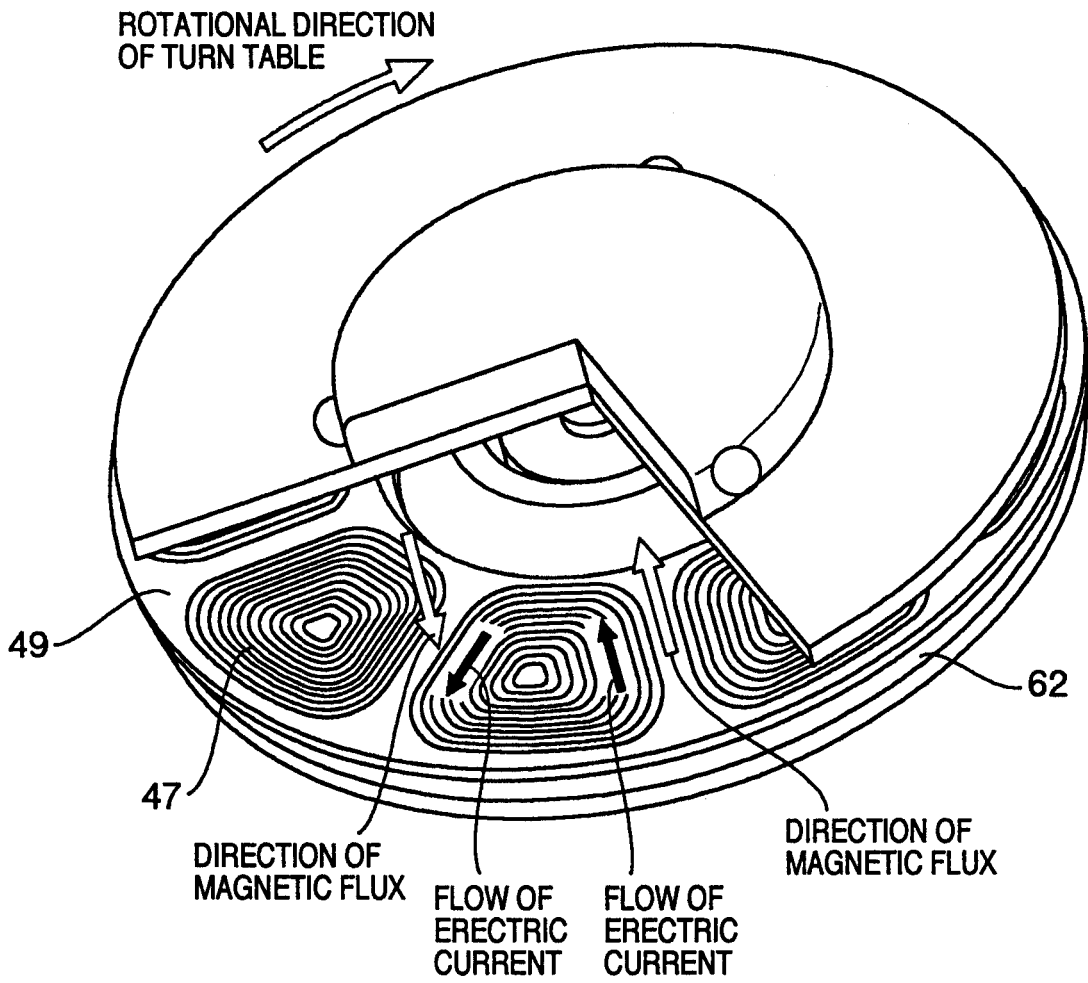


FIG.23

