

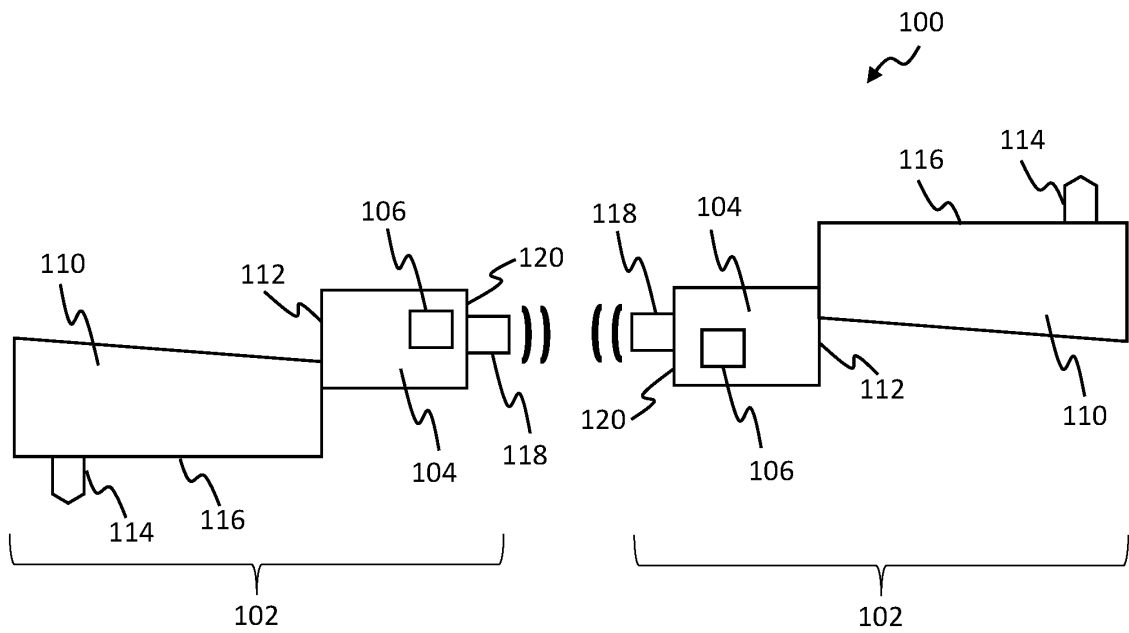


FIG. 1

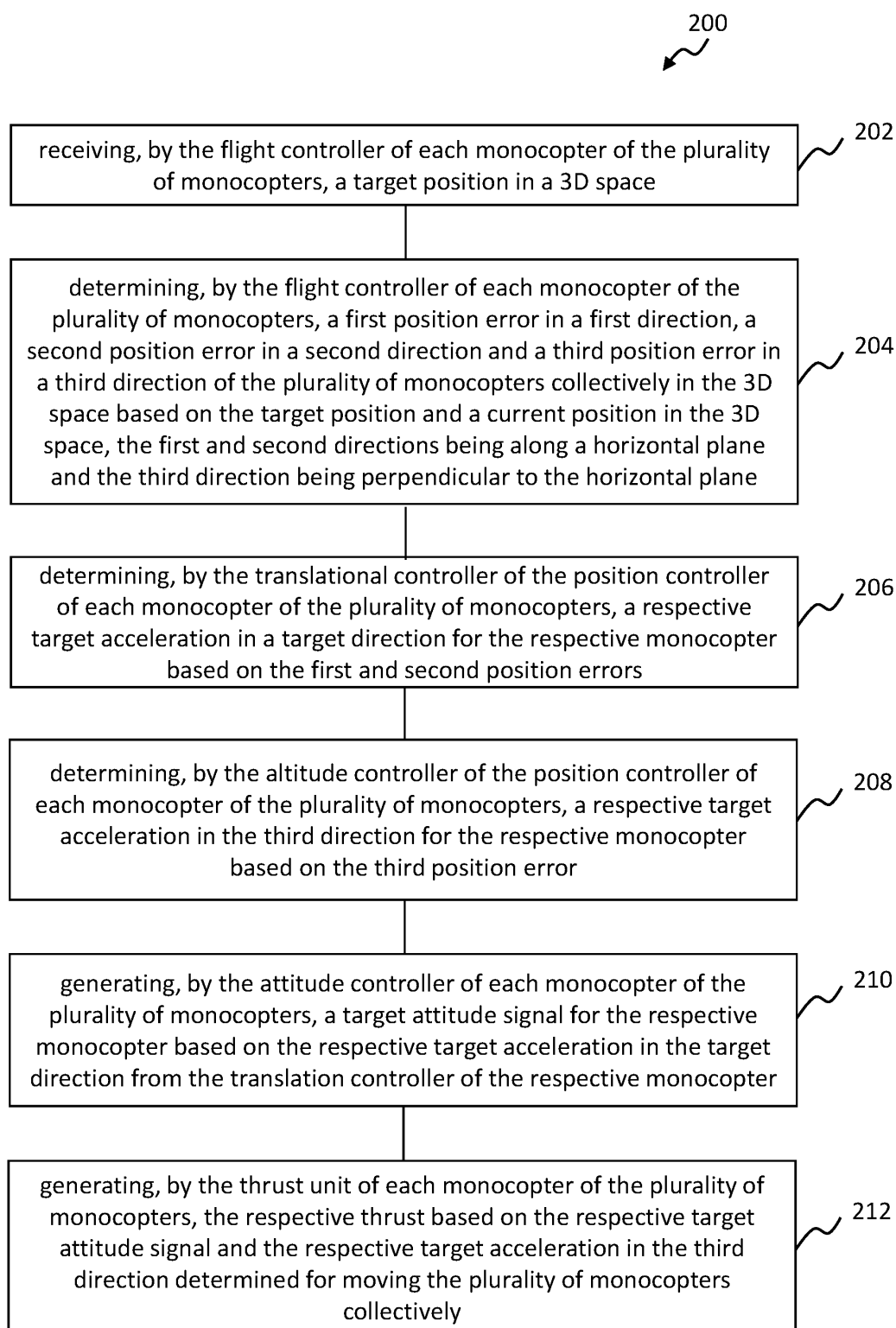


FIG. 2

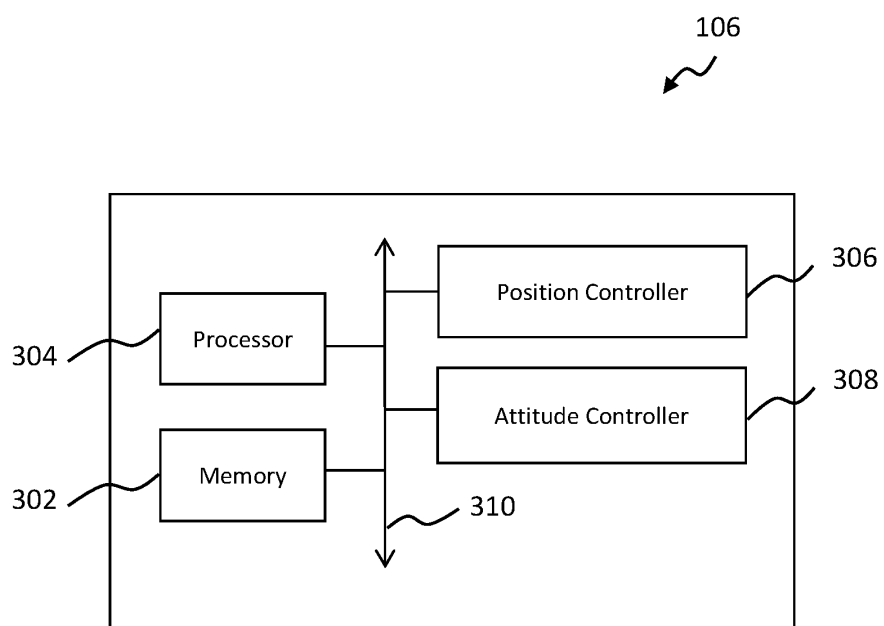


FIG. 3

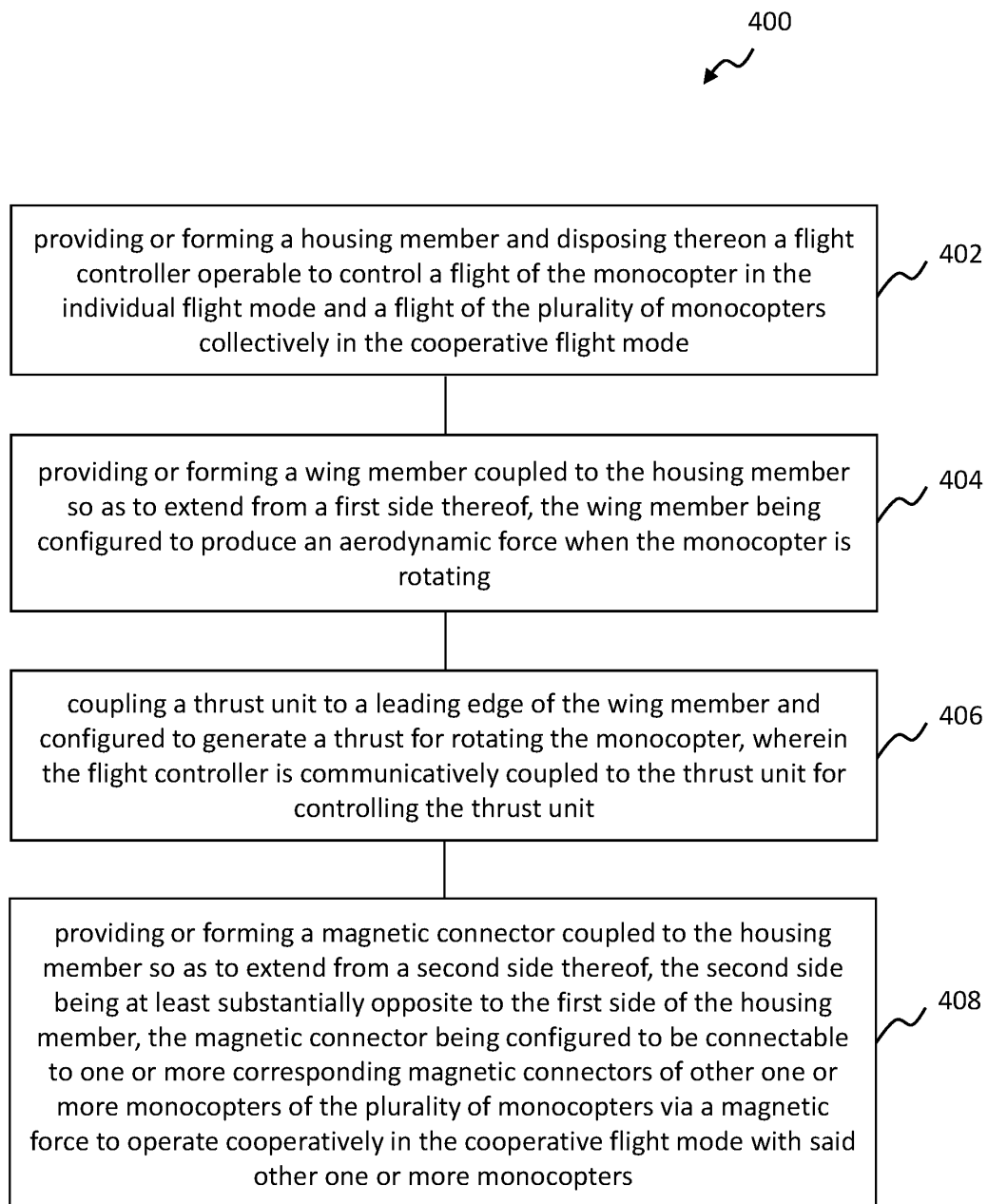


FIG. 4

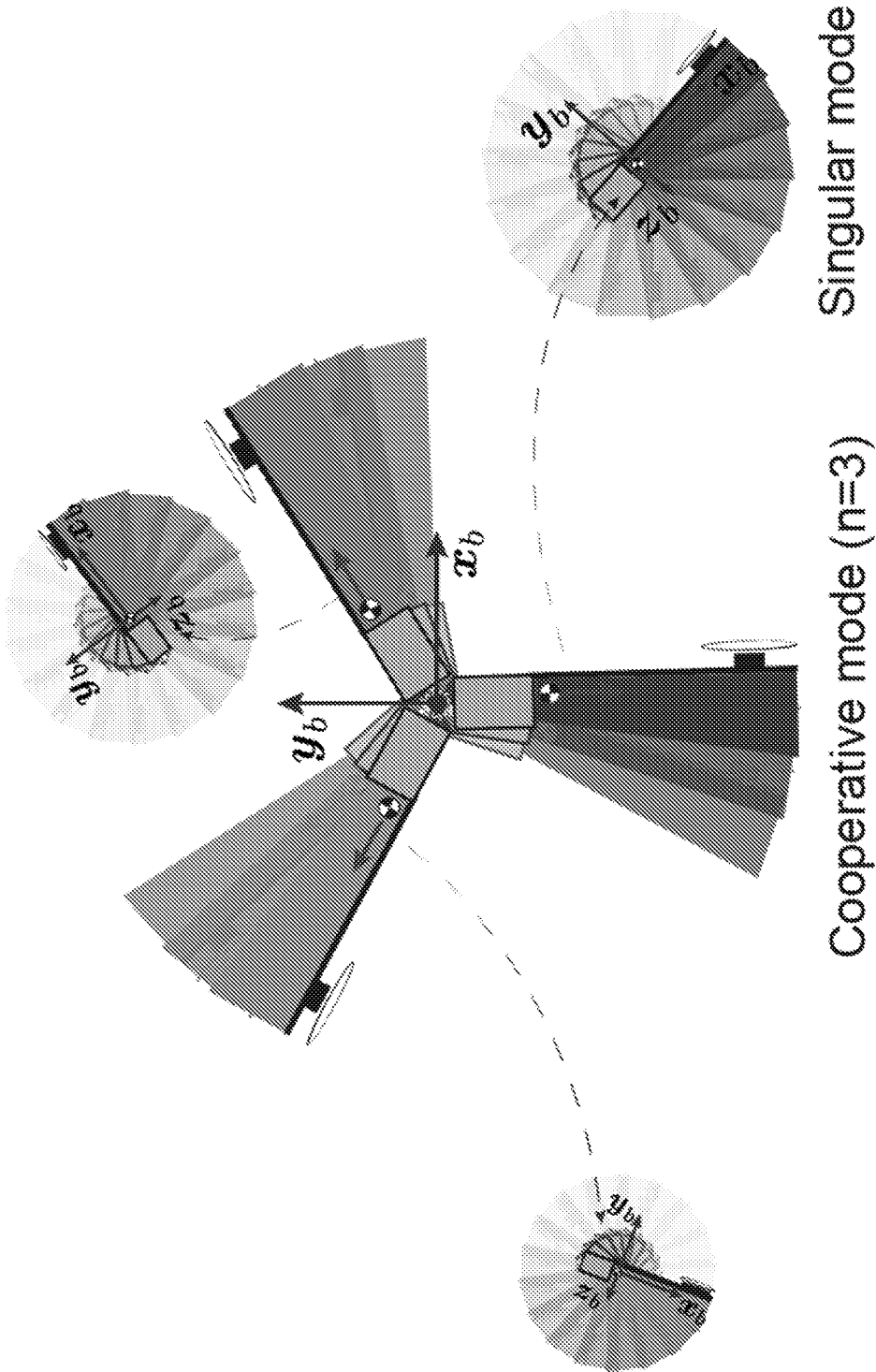


FIG. 5A

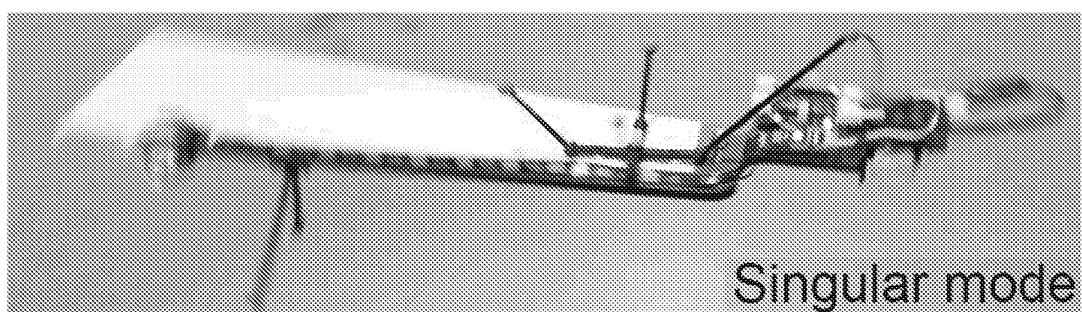


FIG. 5B

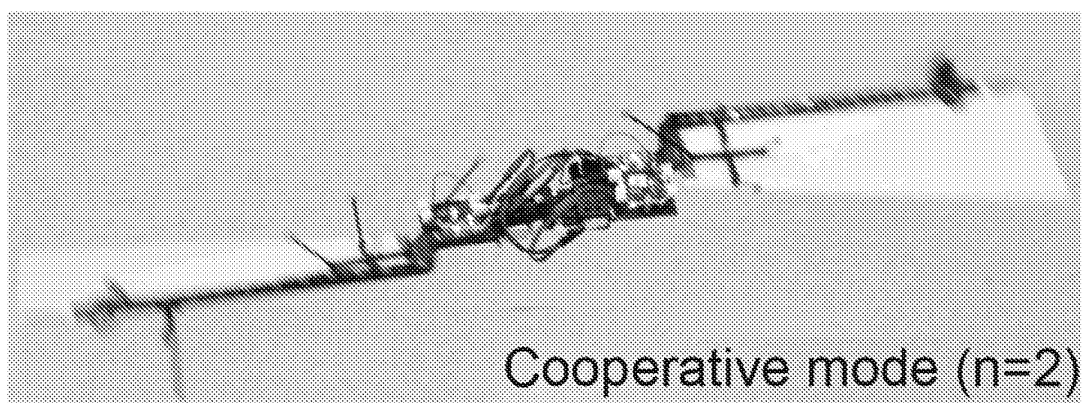


FIG. 5C

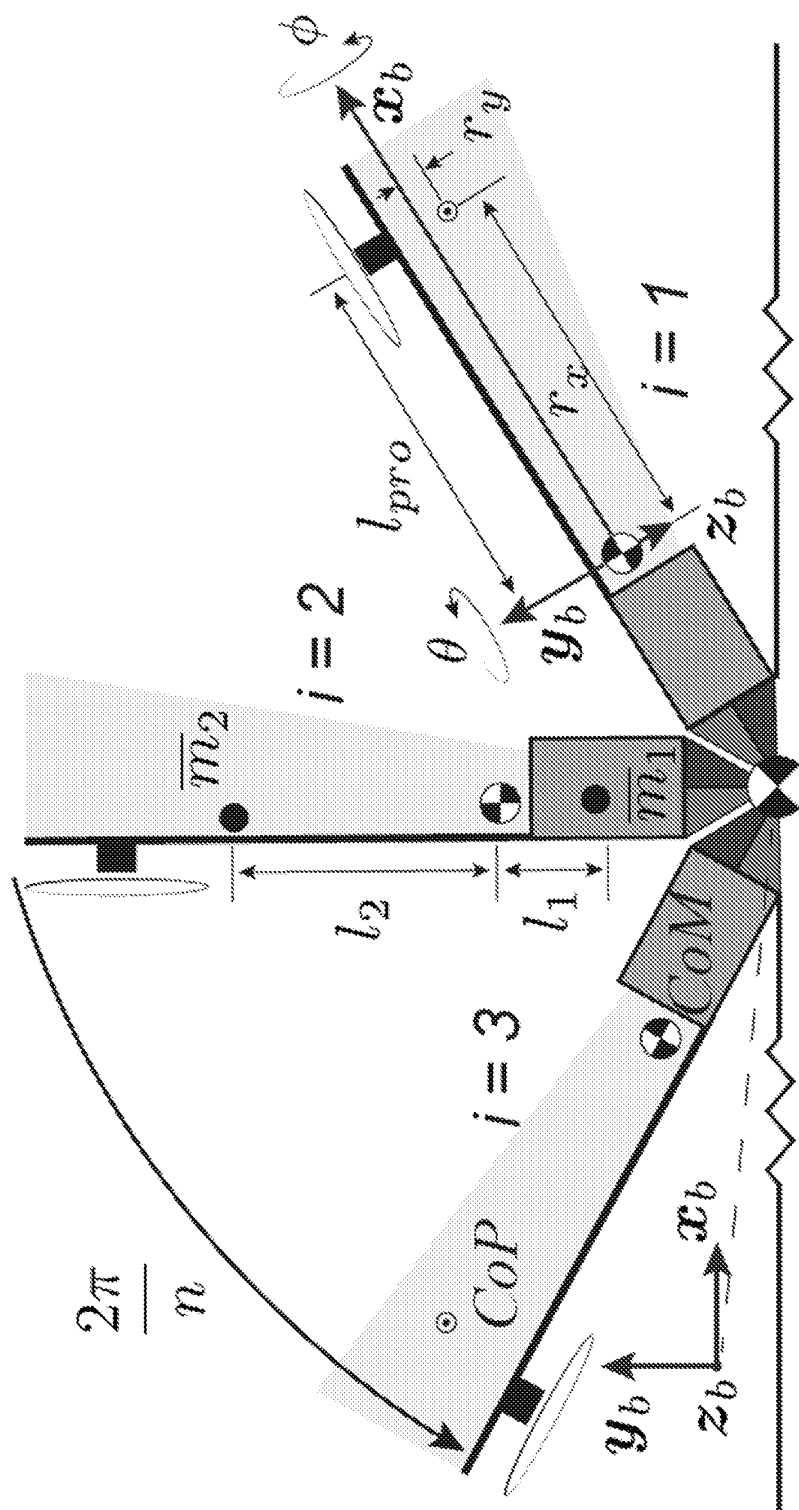


FIG. 6A

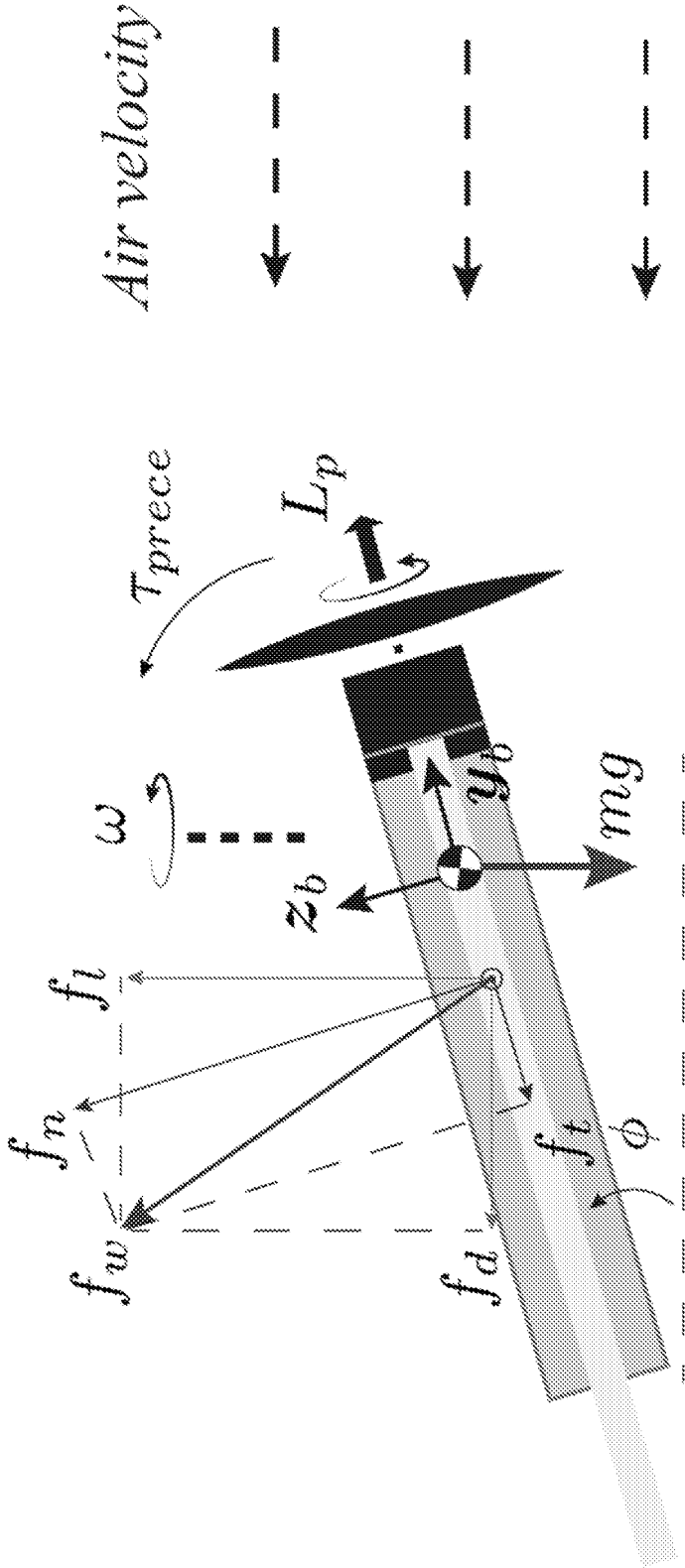


FIG. 6B

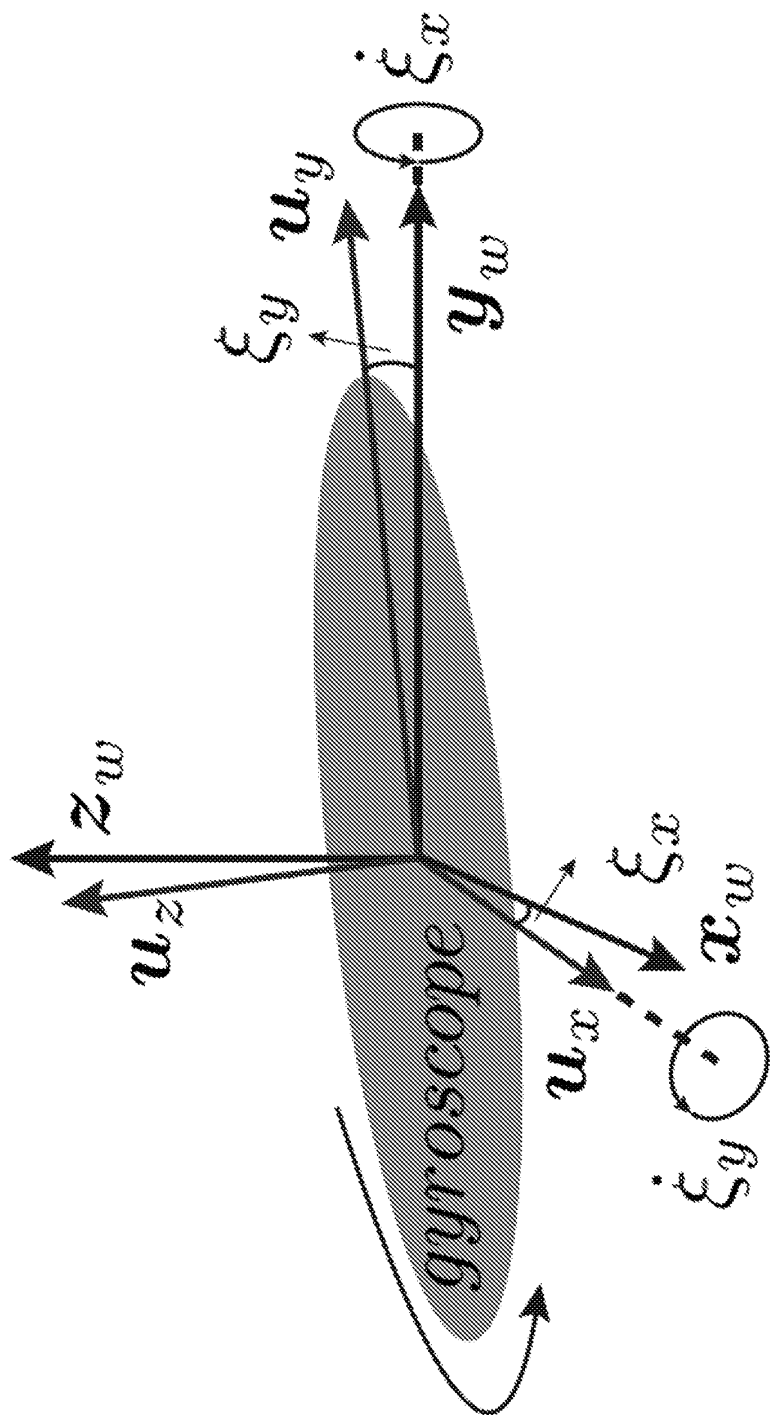


FIG. 7

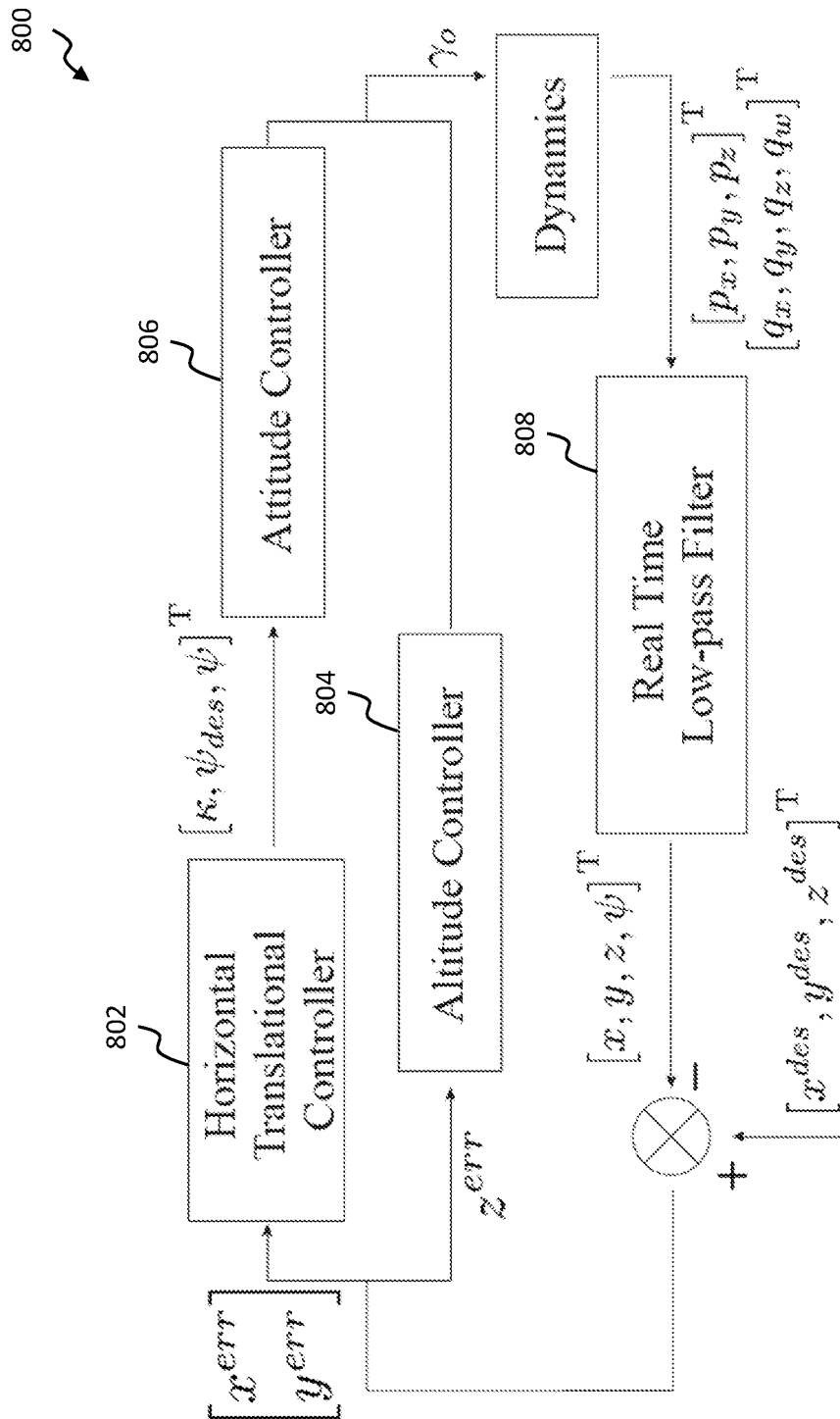


FIG. 8

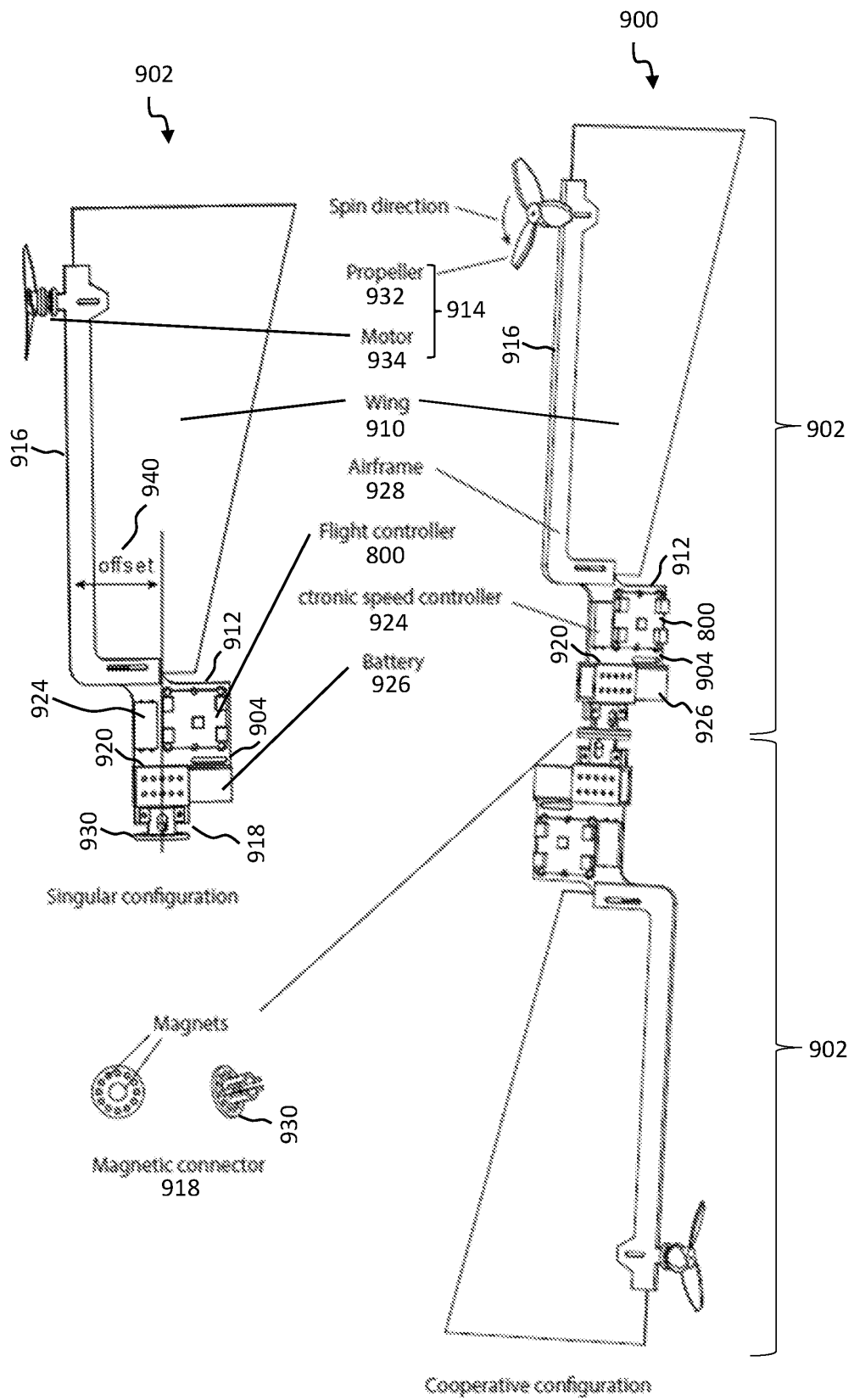


FIG. 9

TABLE I
RMSE OF POSITION FROM 5 FLIGHTS

Item		x-axis(m)	y-axis(m)	z-axis(m)
Singular mode	Hovering	0.1630	0.1349	0.0763
	Tracking	0.3520	0.3178	0.0765
Cooperative mode	Hovering	0.2934	0.2663	0.0402
	Tracking	0.3963	0.5170	0.1051

FIG. 10

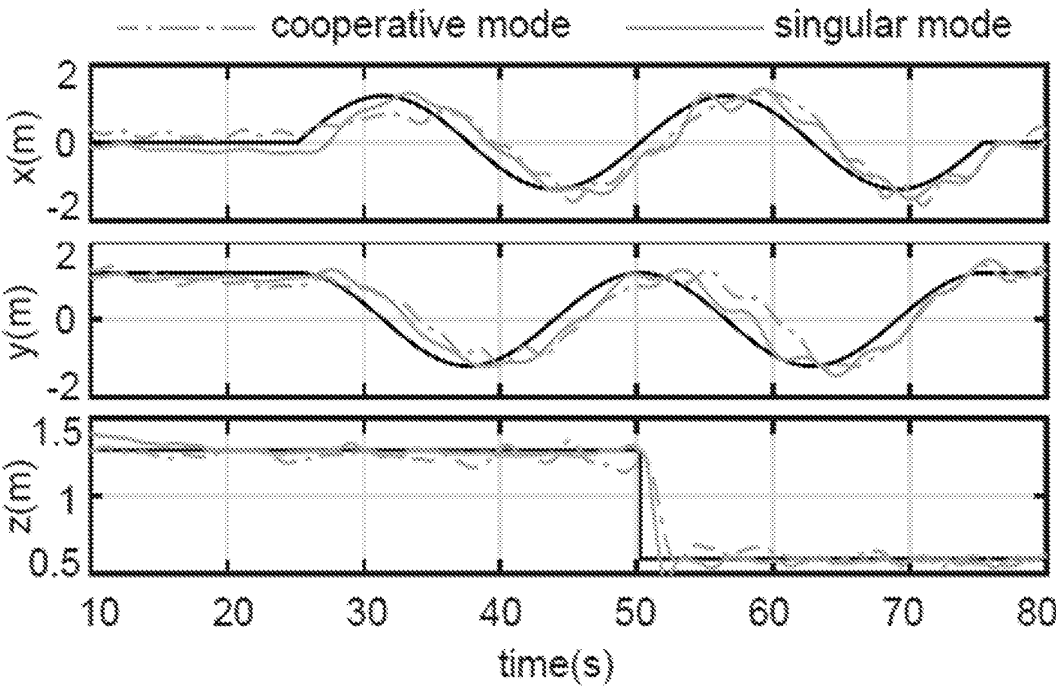


FIG. 11

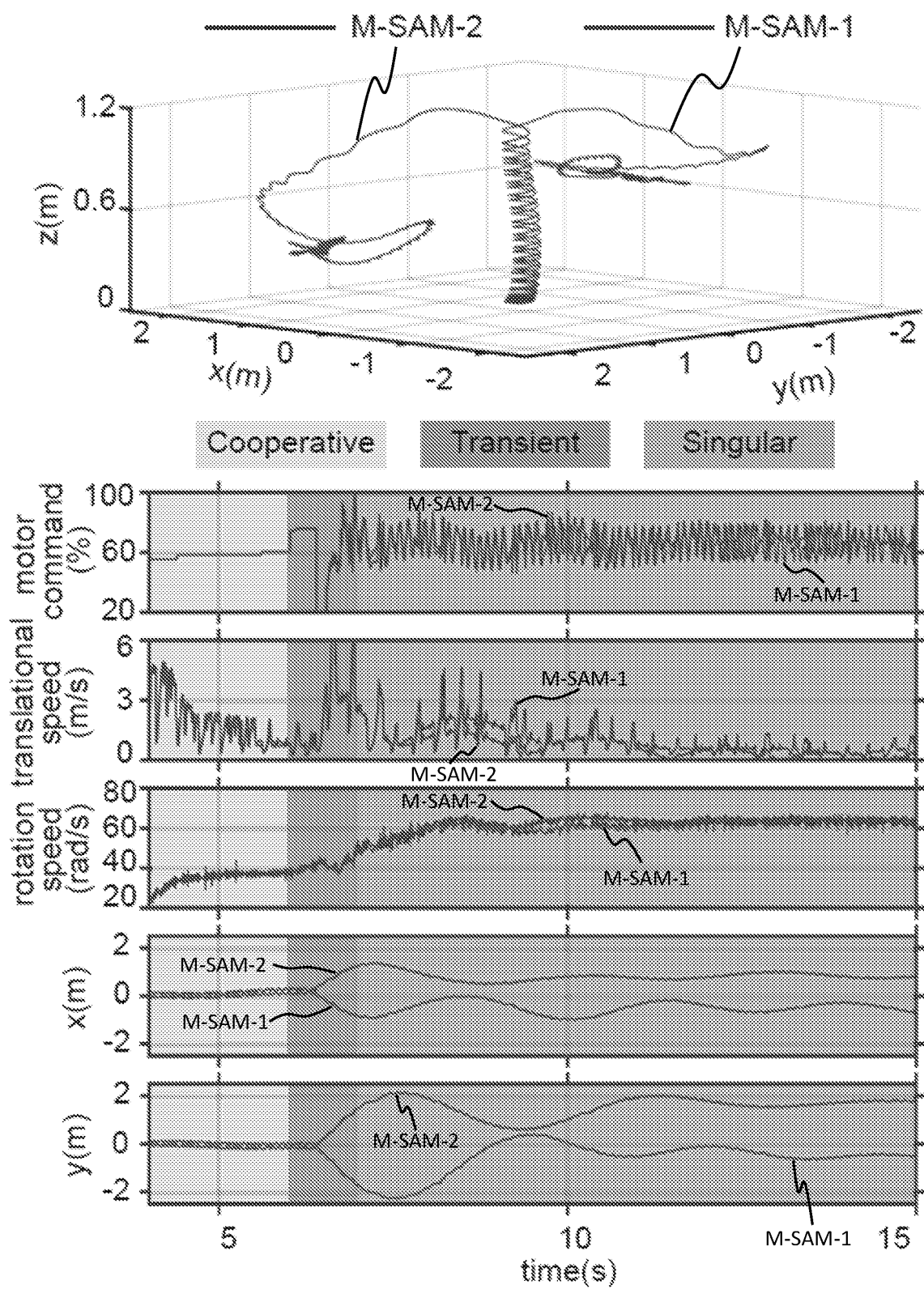


FIG. 12