

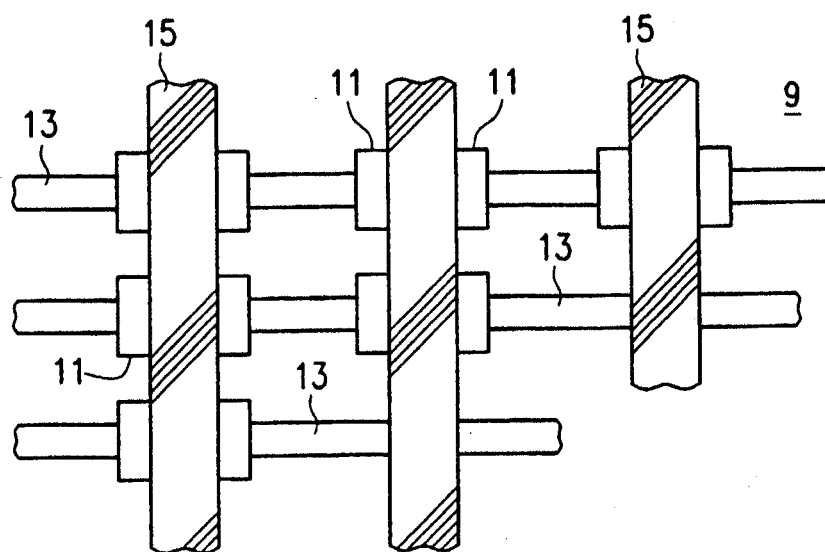


FIG. 1

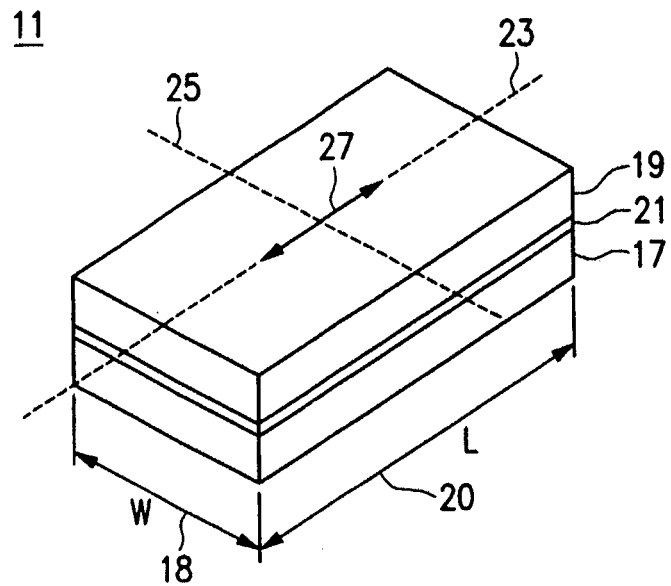


FIG. 2a

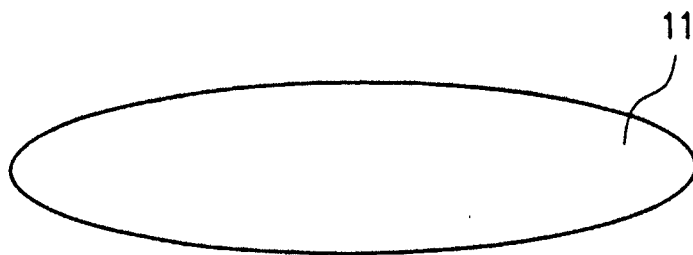


FIG. 2b

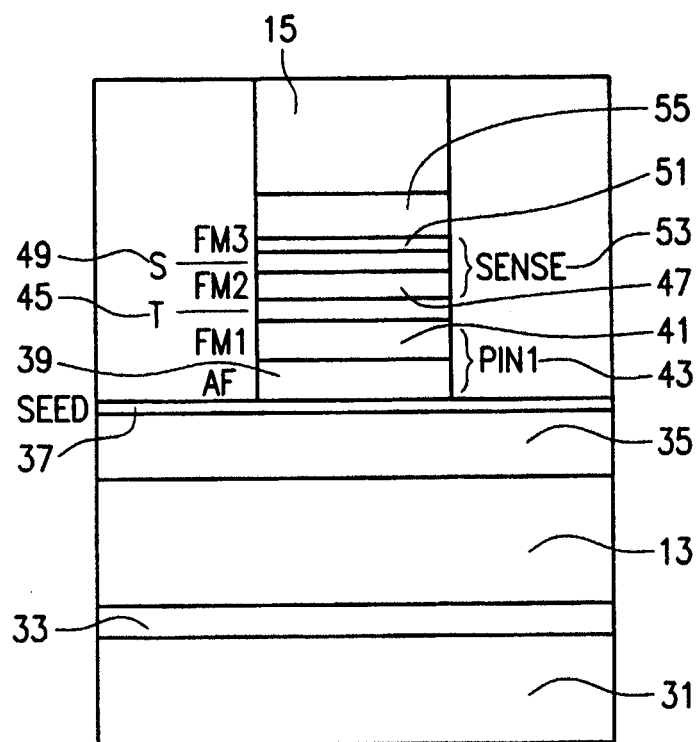


FIG. 3

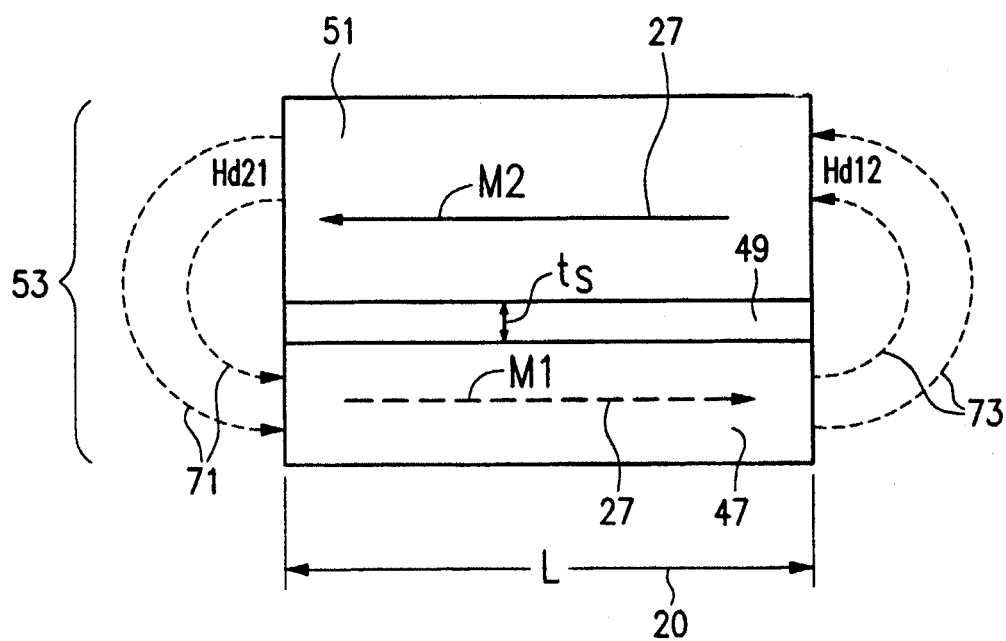


FIG. 4

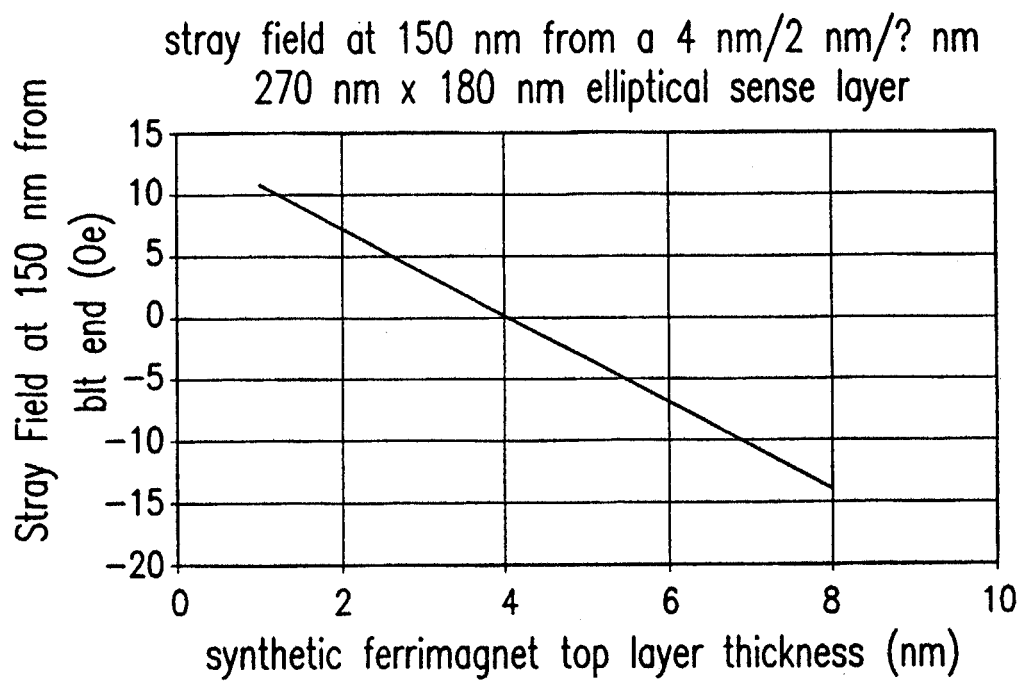


FIG. 5a

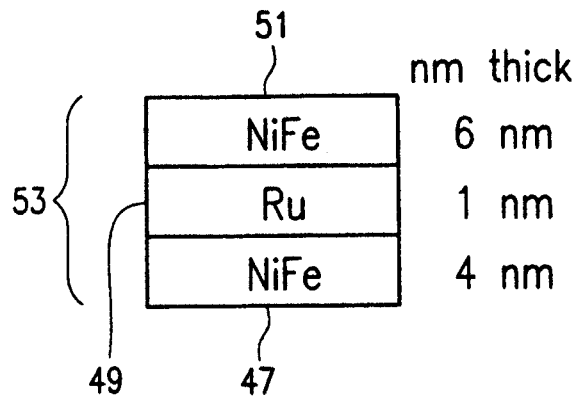


FIG. 5b

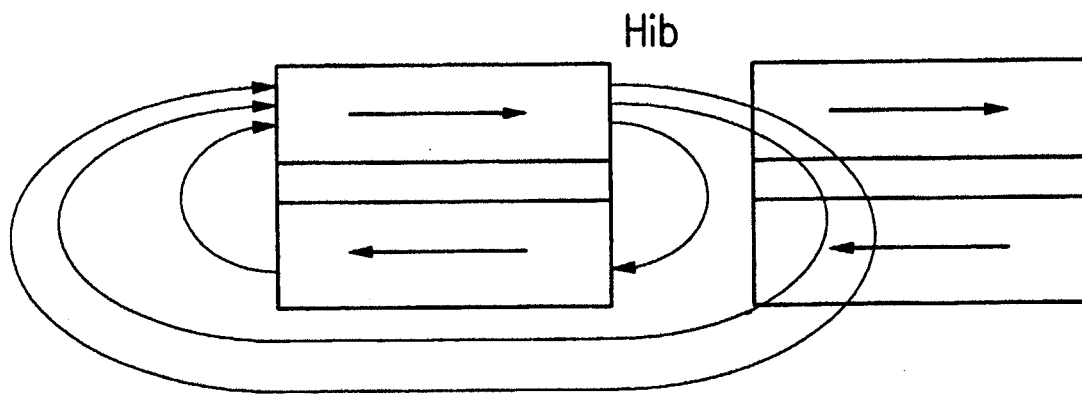


FIG. 5c

270 x 180 nm² Ellipse
synthetic Ferrimagnet compared to single NiFe

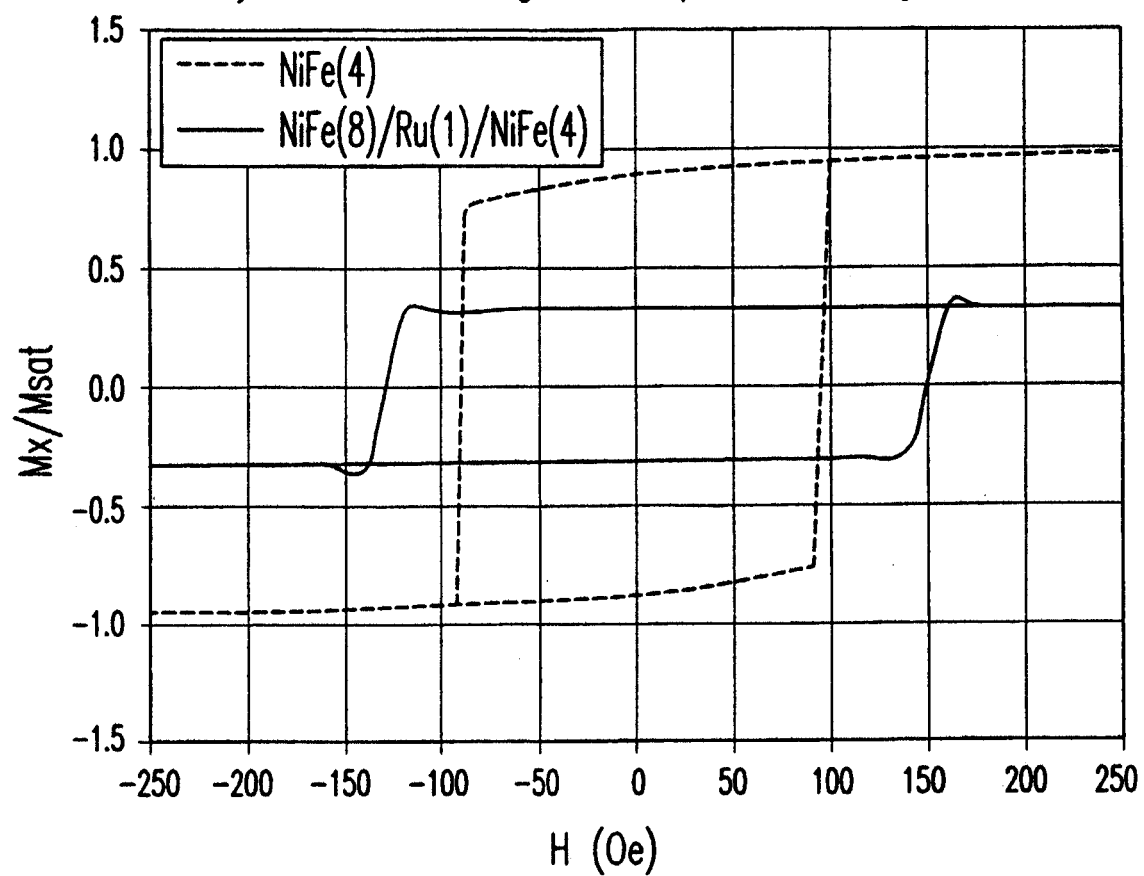


FIG. 6

272x180 nm² ellipse synthetic ferrimagnet sense layer

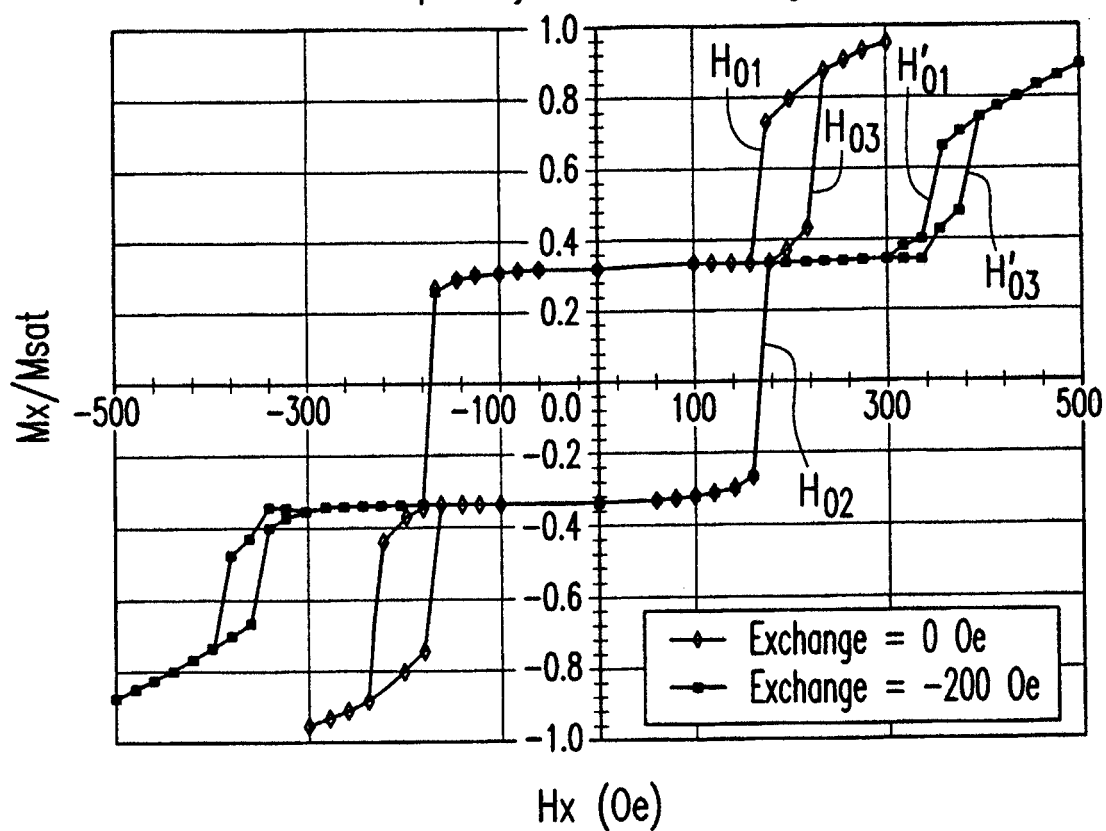


FIG. 7

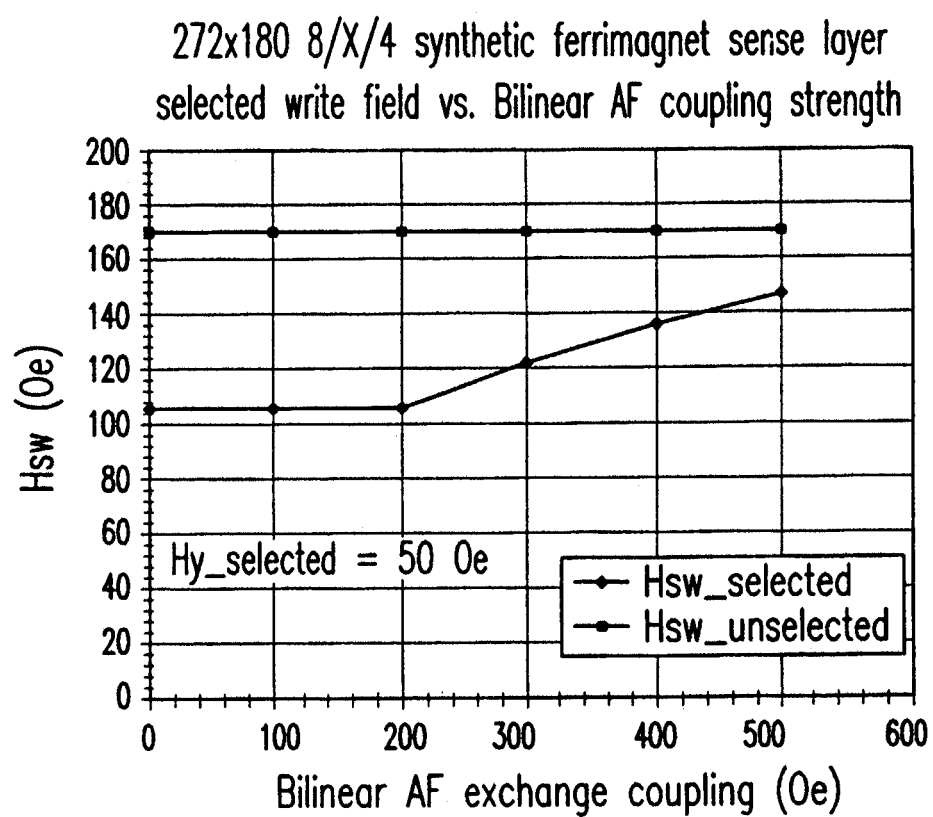


FIG. 8

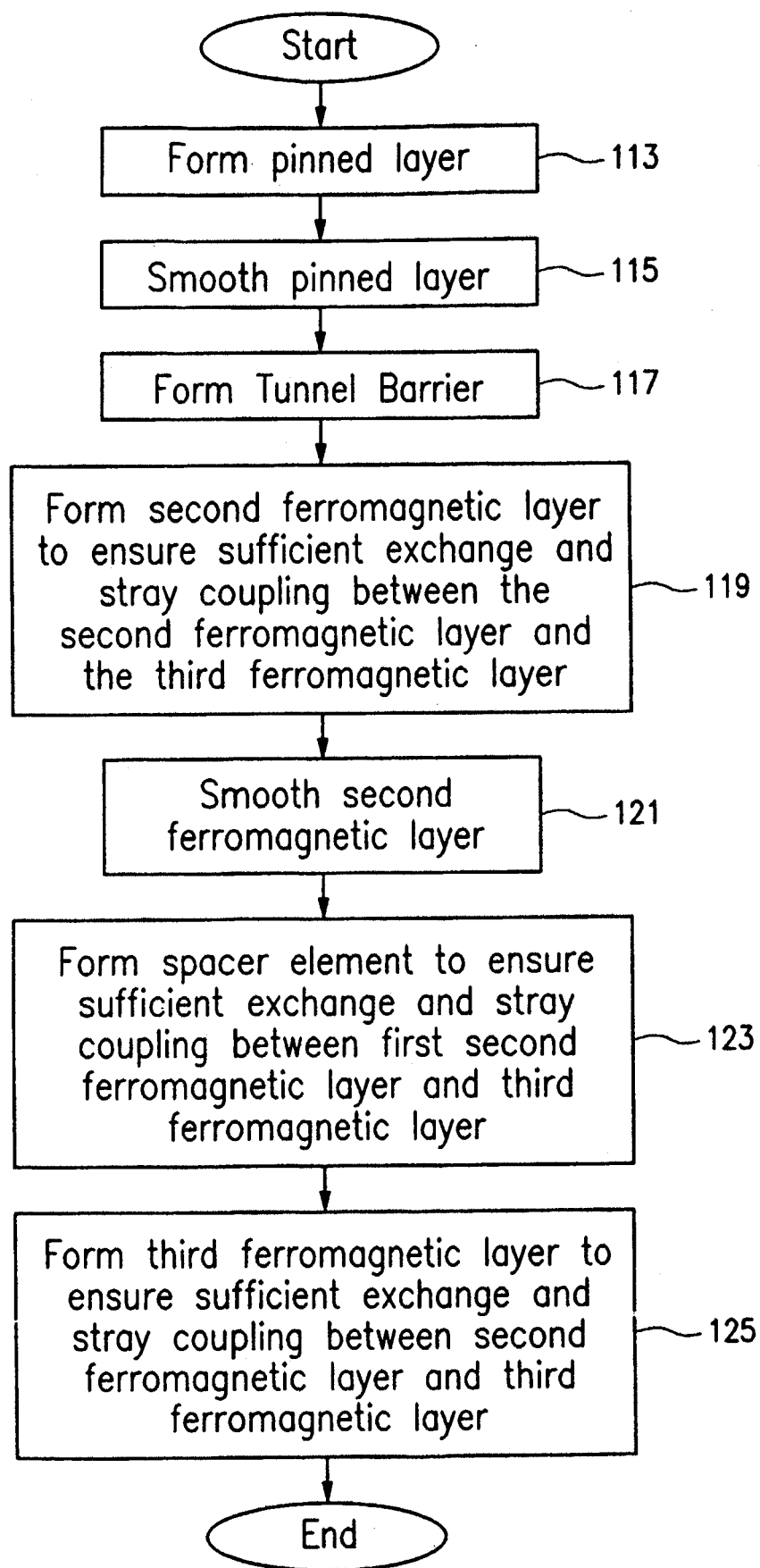


FIG. 9

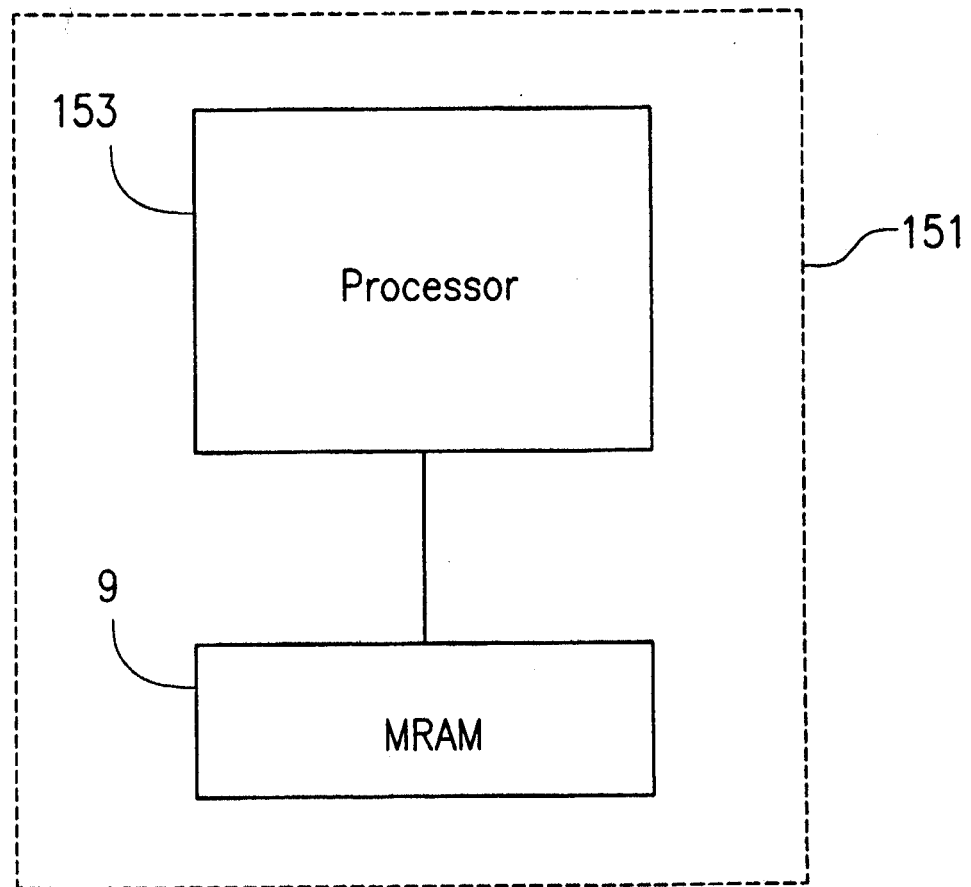


FIG. 10