

FIG.1

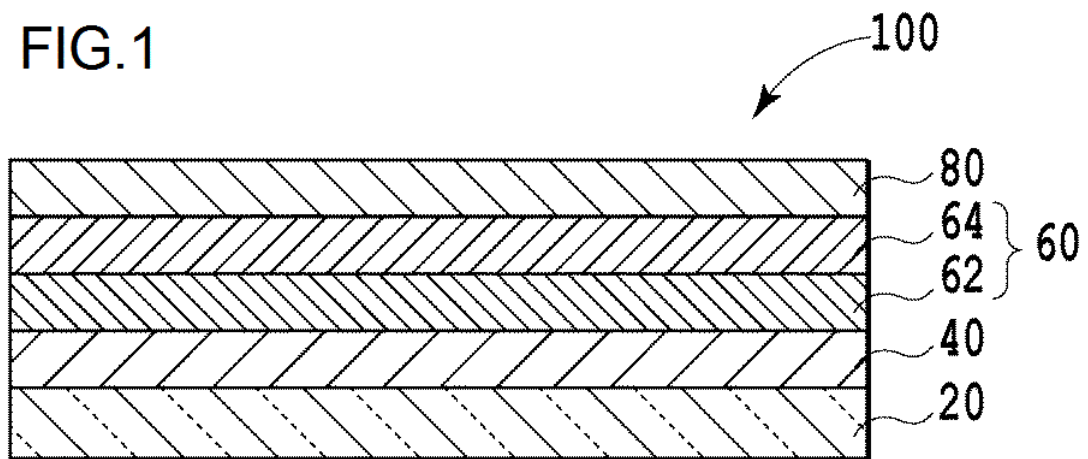


FIG.2

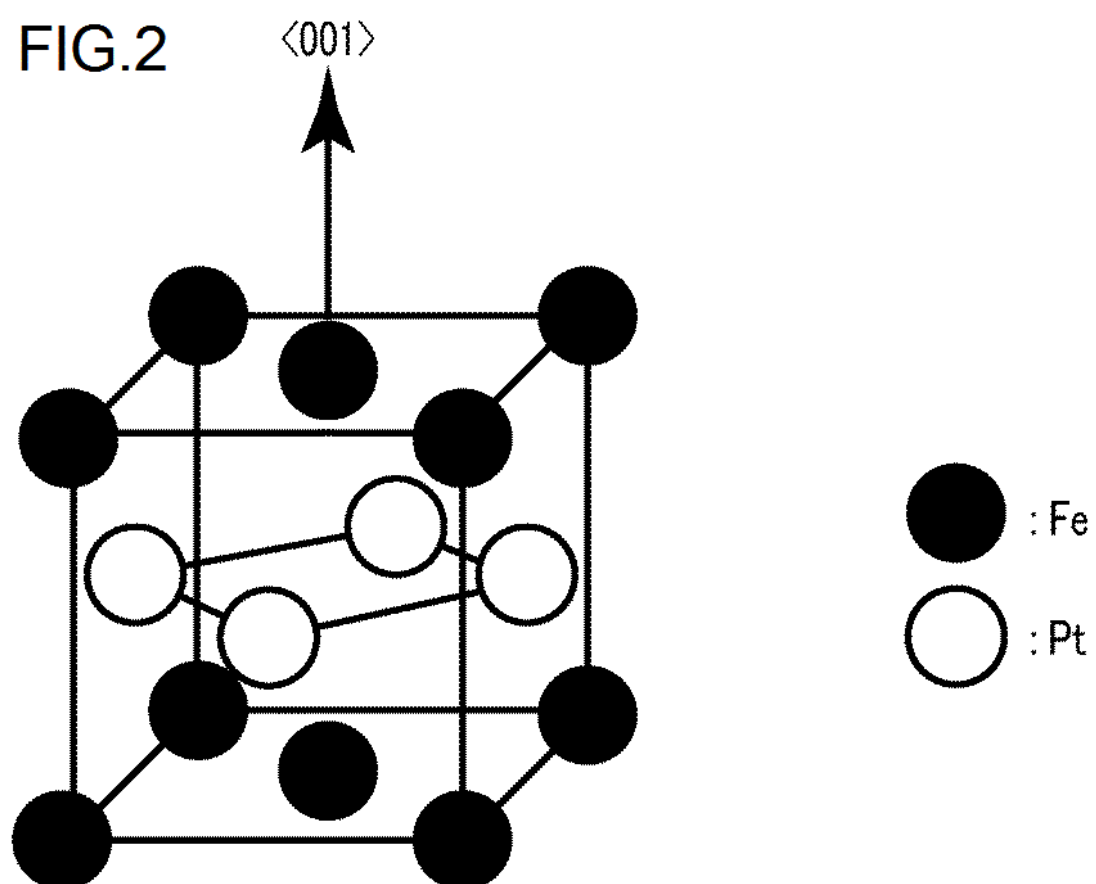


FIG. 3

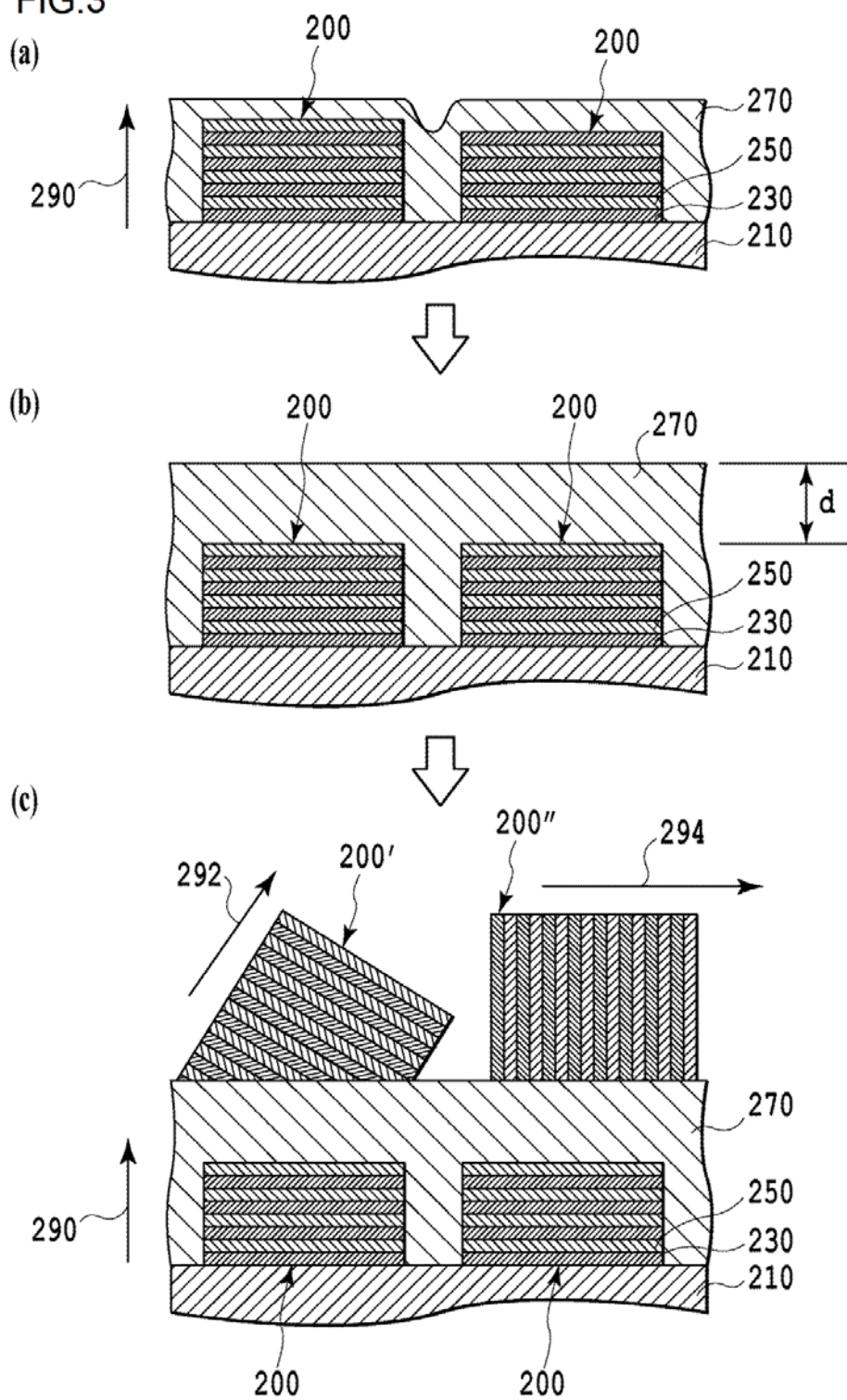


FIG.4

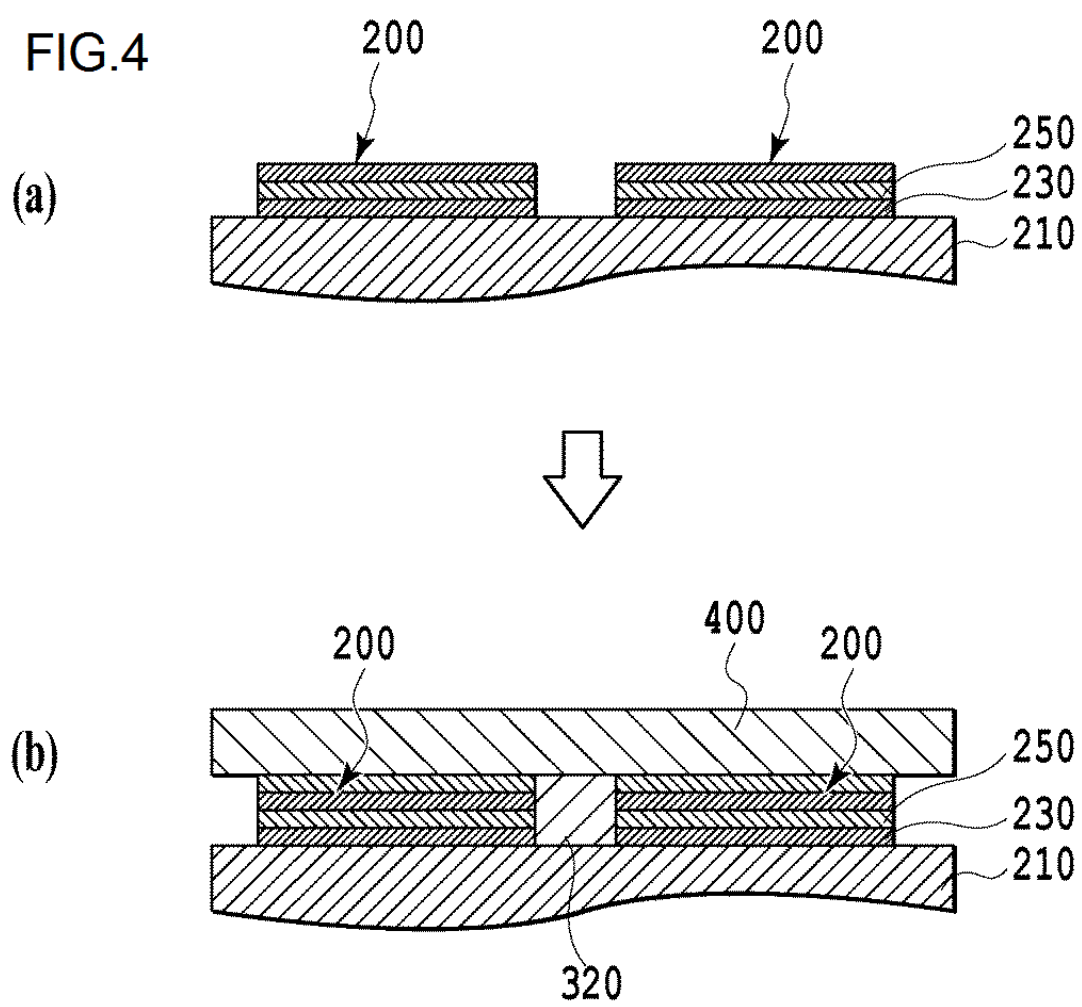


FIG.5

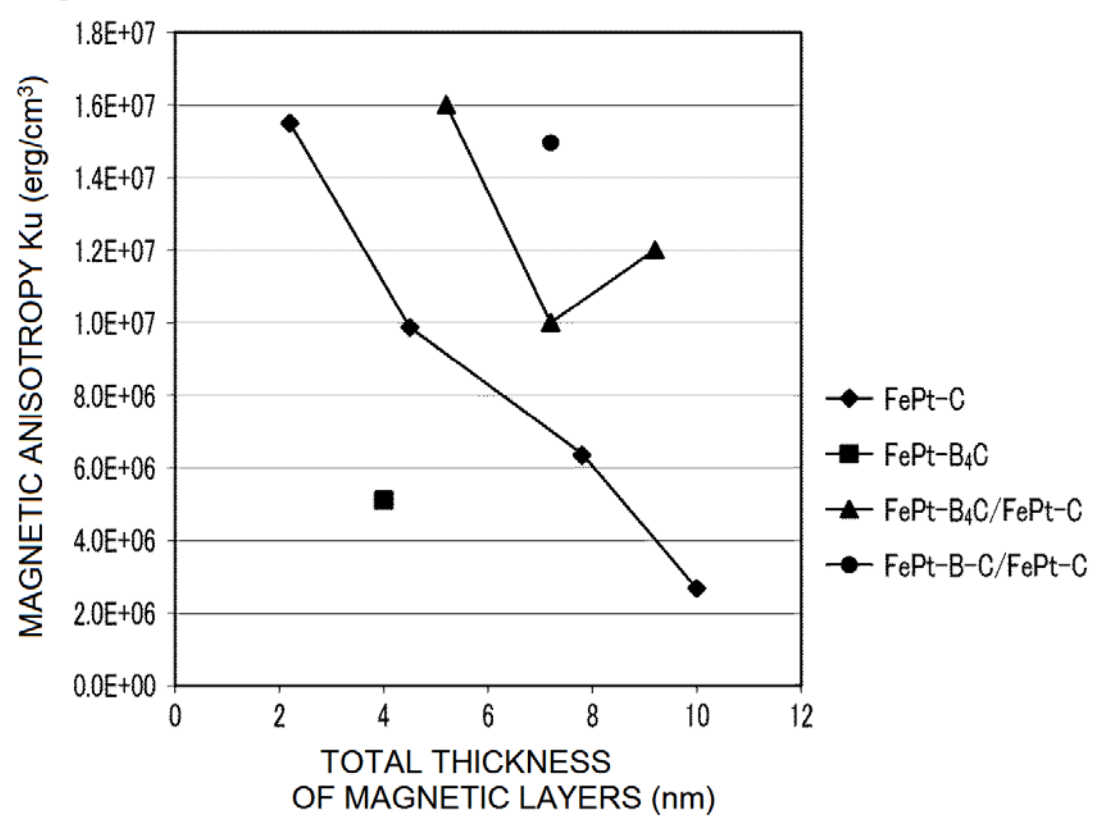


FIG.6

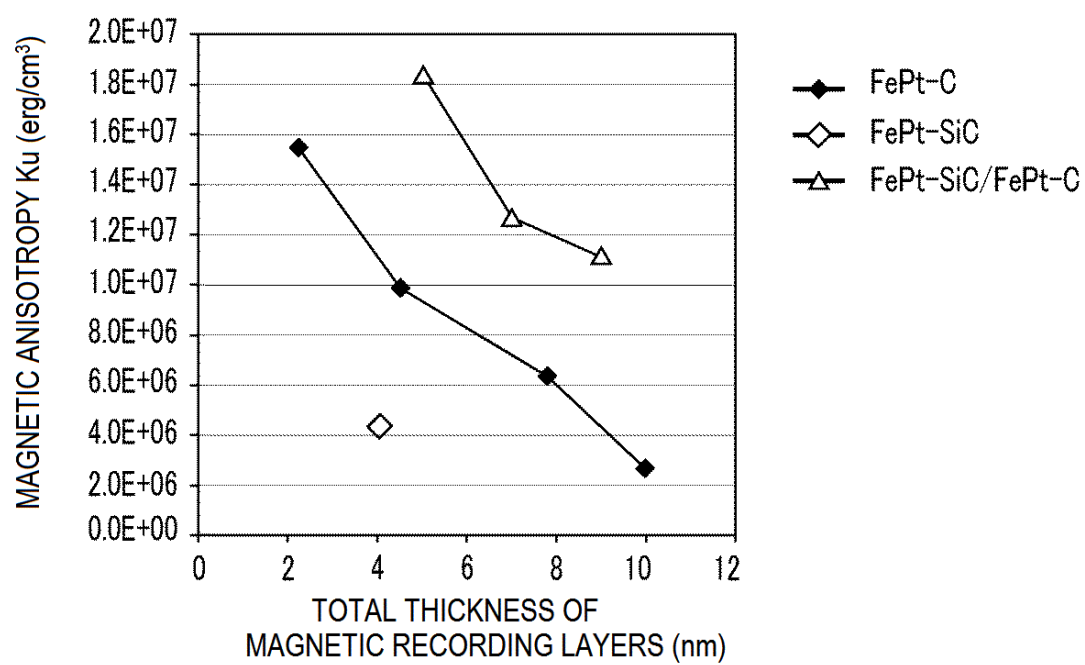


FIG.7

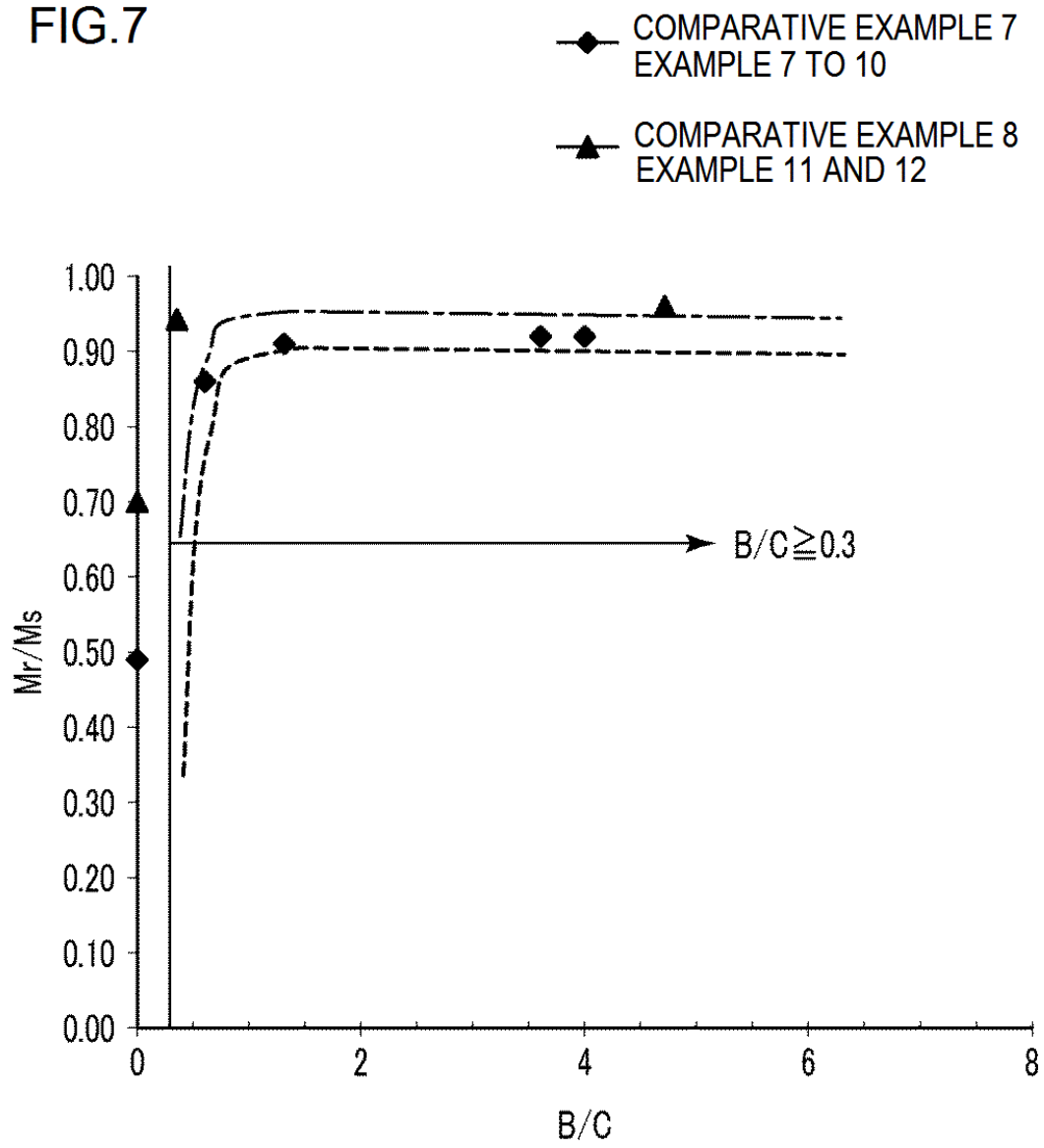
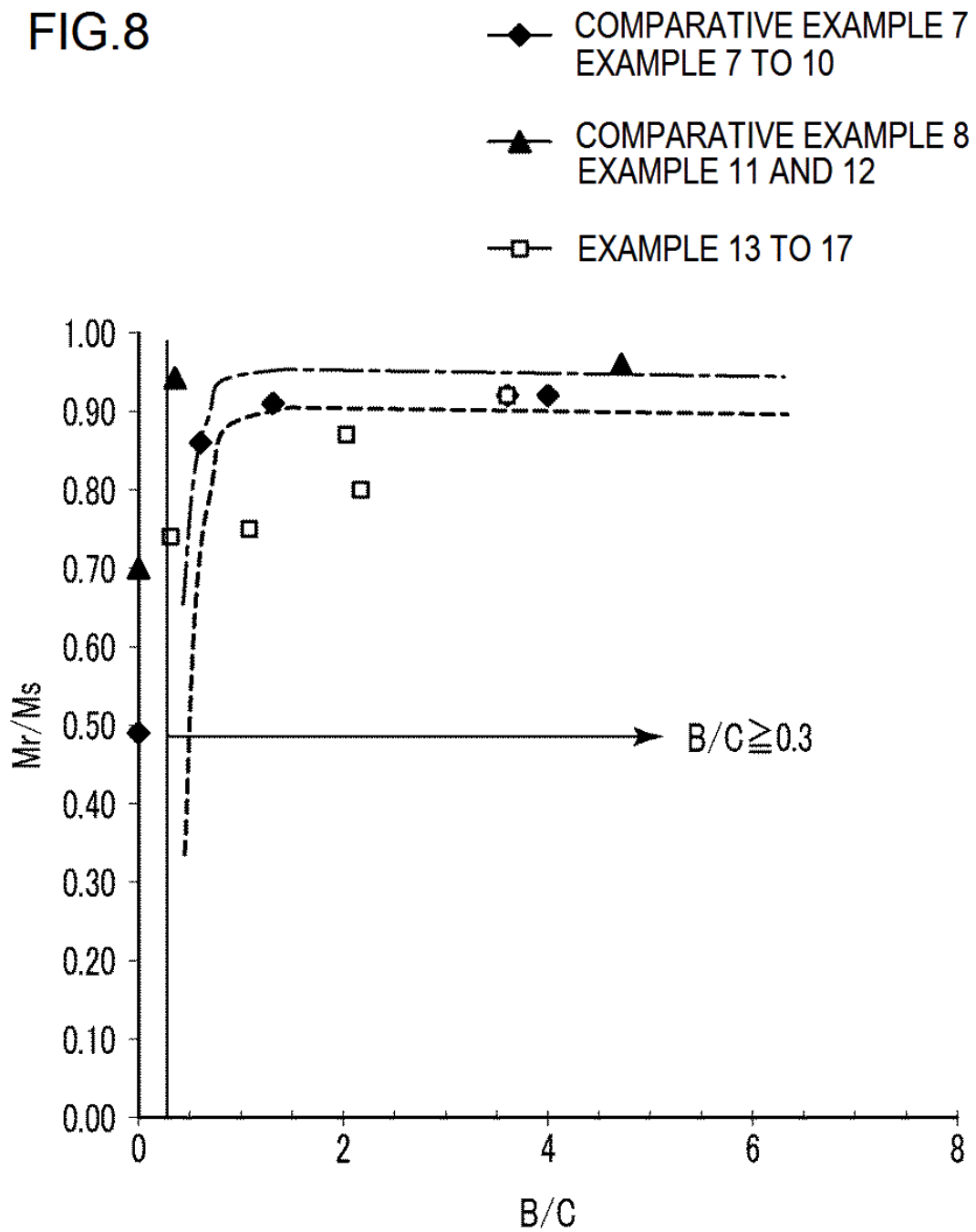


FIG.8



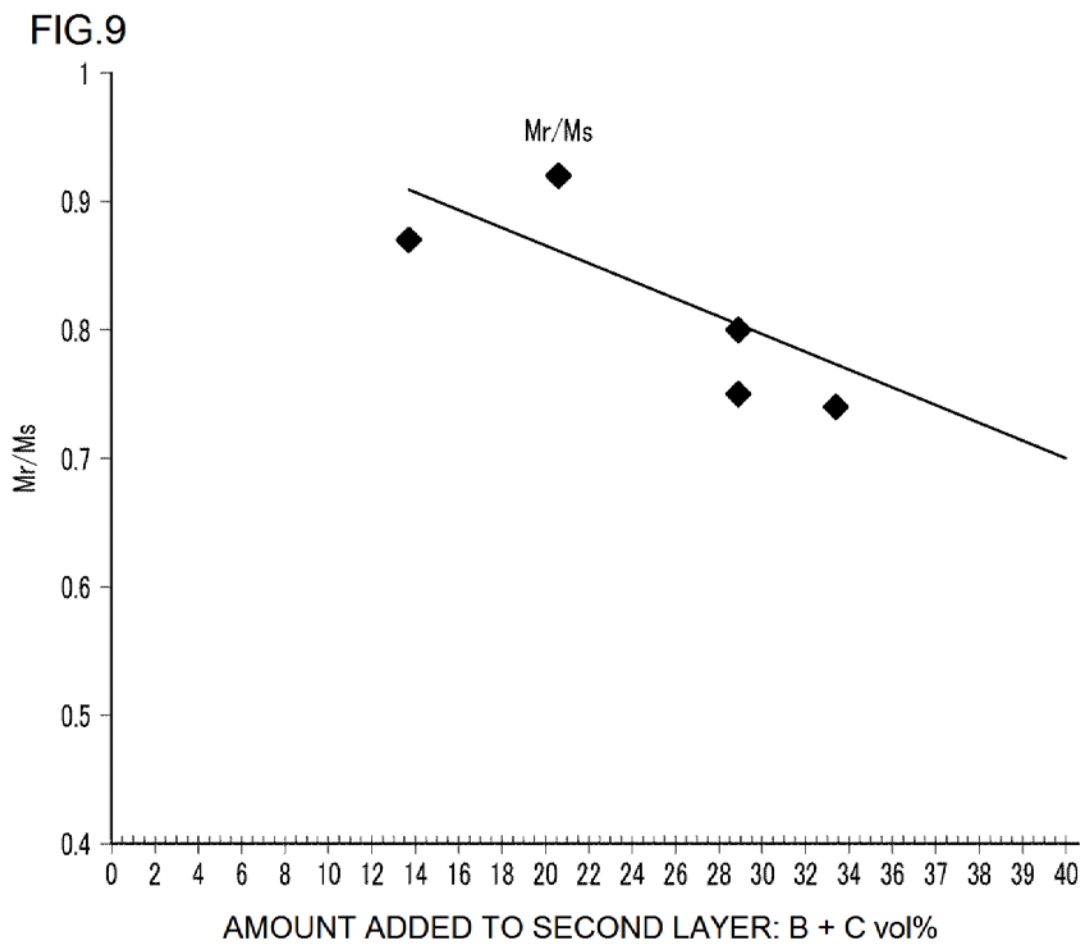
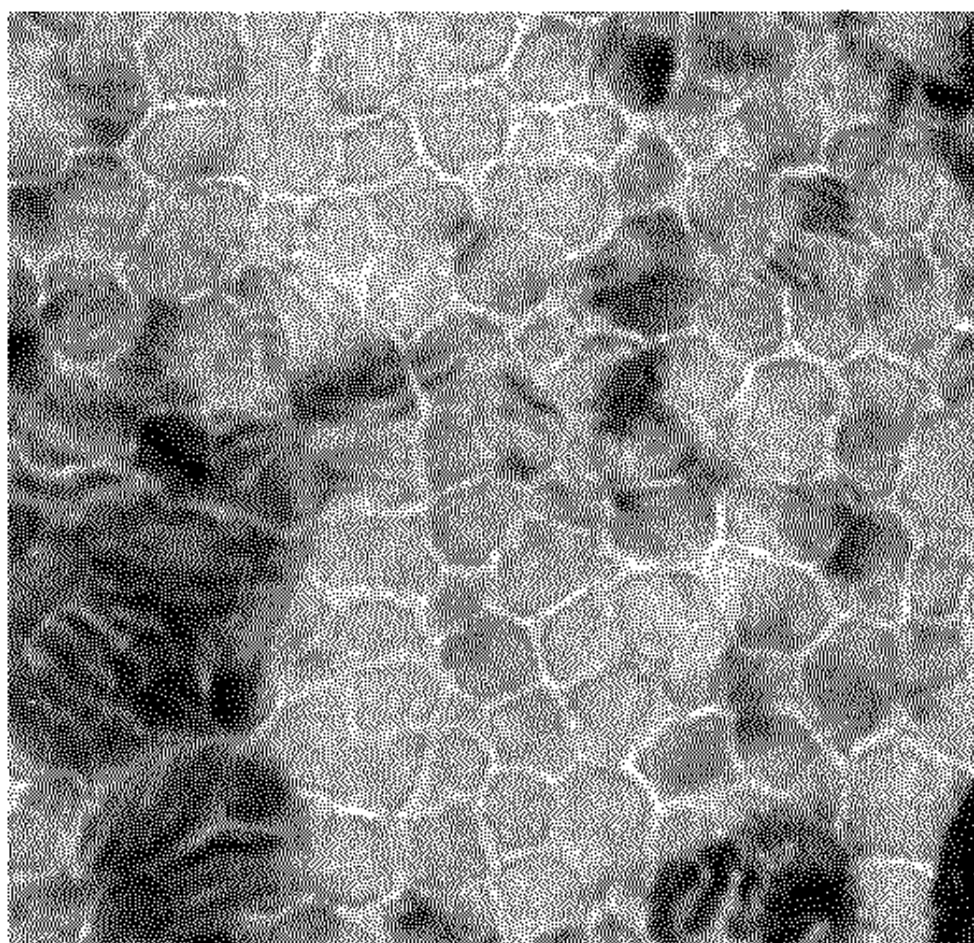


FIG.10A

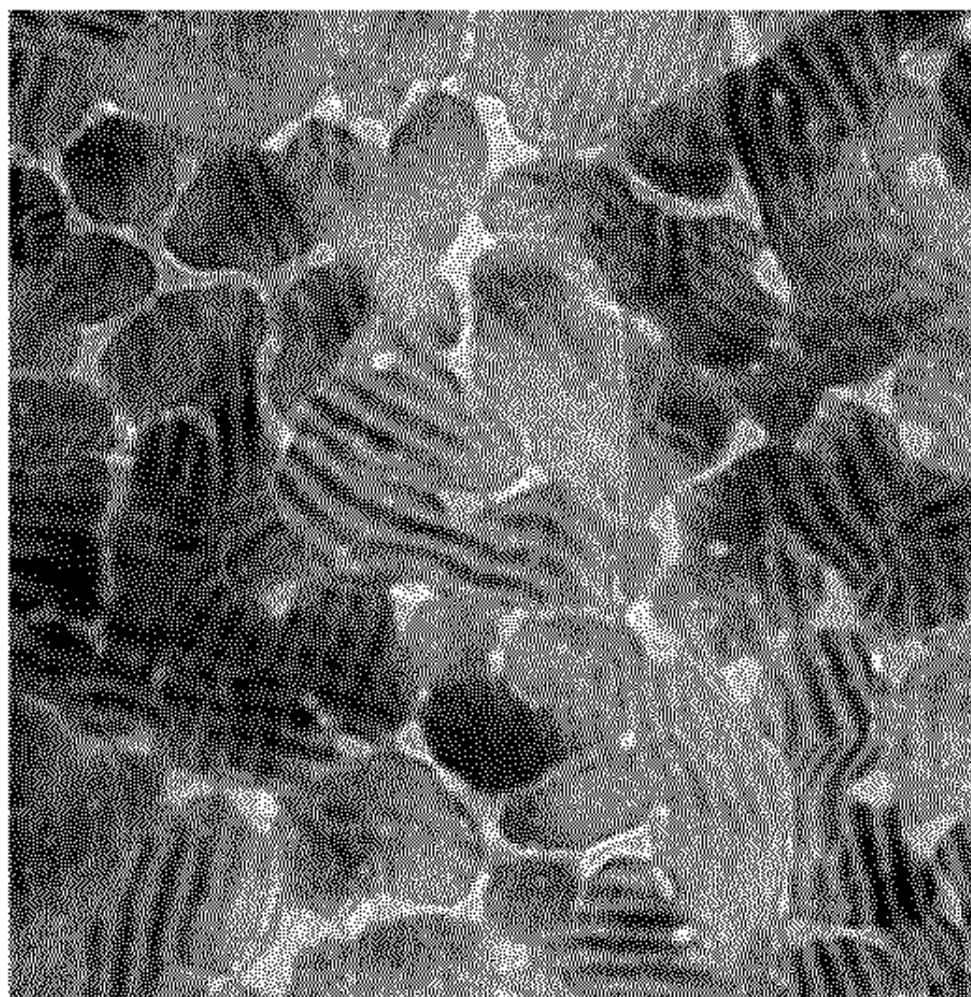
PLANAR TEM IMAGE OF EXAMPLE 10



 40nm

FIG.10B

PLANAR TEM IMAGE OF
COMPARATIVE EXAMPLE 9



40nm

FIG.11

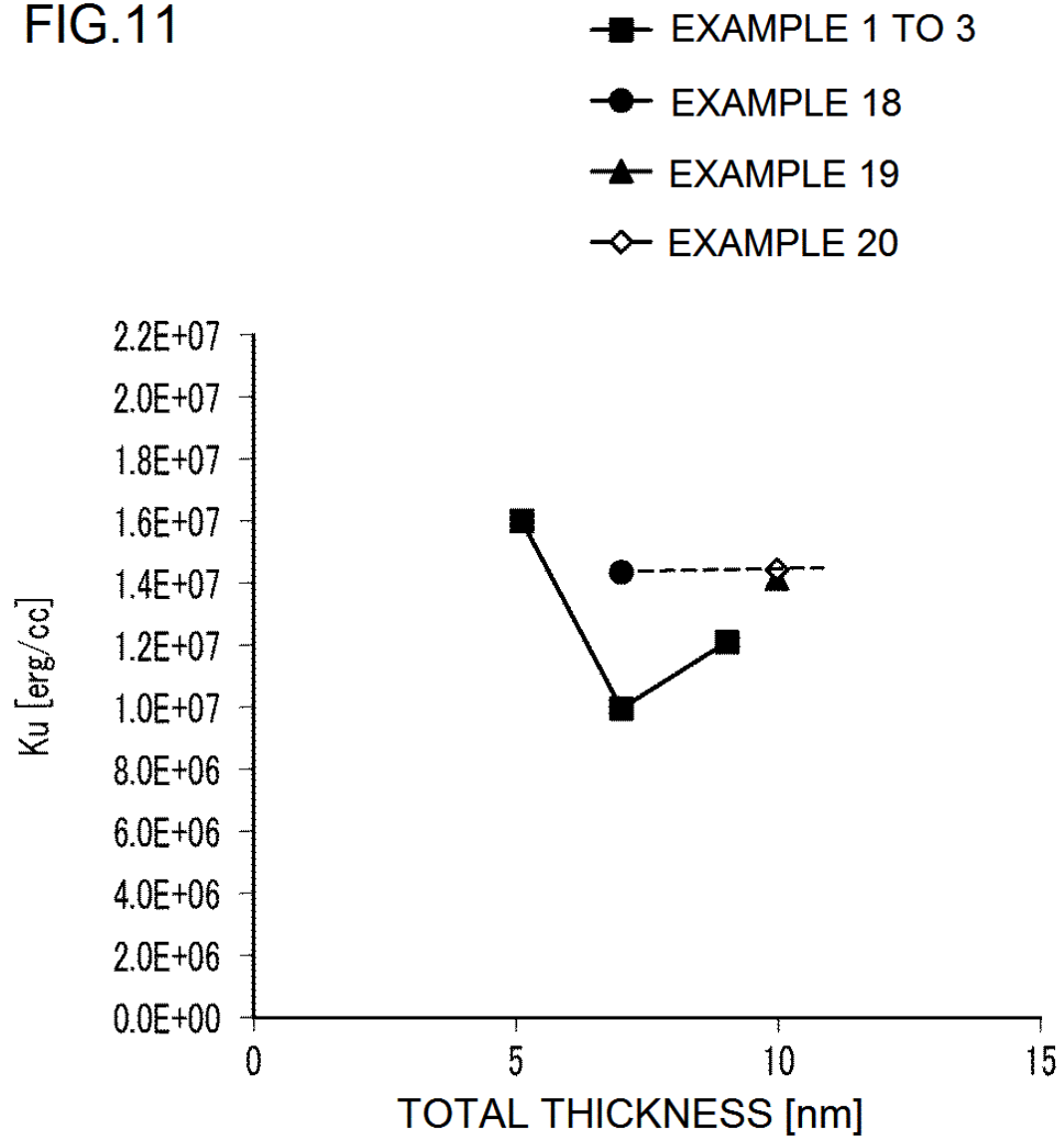


FIG.12A

CROSS-SECTIONAL TEM IMAGE, EXAMPLE 20, FePt-B₄C/FePt-C, REPEATED STACKING <TOTAL THICKNESS 10 nm>
 FePt-25vol%C (2nm)/FePt-25vol%B₄C (2nm) /FePt-25vol%C (2nm)/
 FePt-25vol%B₄C (2nm) / FePt-25vol%C (2nm)

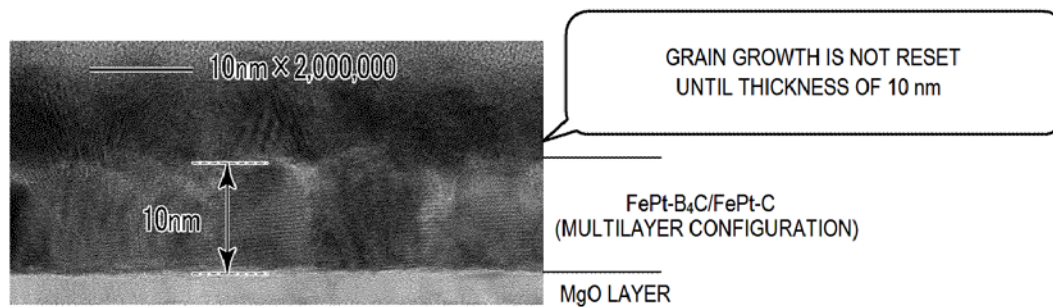
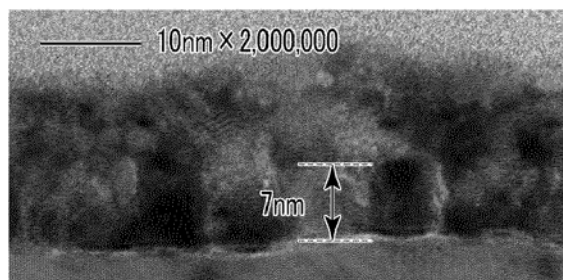


FIG.12B

CROSS-SECTIONAL TEM IMAGE, EXAMPLE 3, FePt-B₄C (7 nm)/FePt-C (2 nm), 2 LAYERS <TOTAL THICKNESS 9 nm>
FePt-B₄C(7nm)/FePt-C(2nm)



GRAIN GROWTH IS RESET
AT THICKNESS OF ABOUT 7 nm

FePt-B₄C/FePt-C
(TWO-LAYER CONFIGURATION)

MgO LAYER