

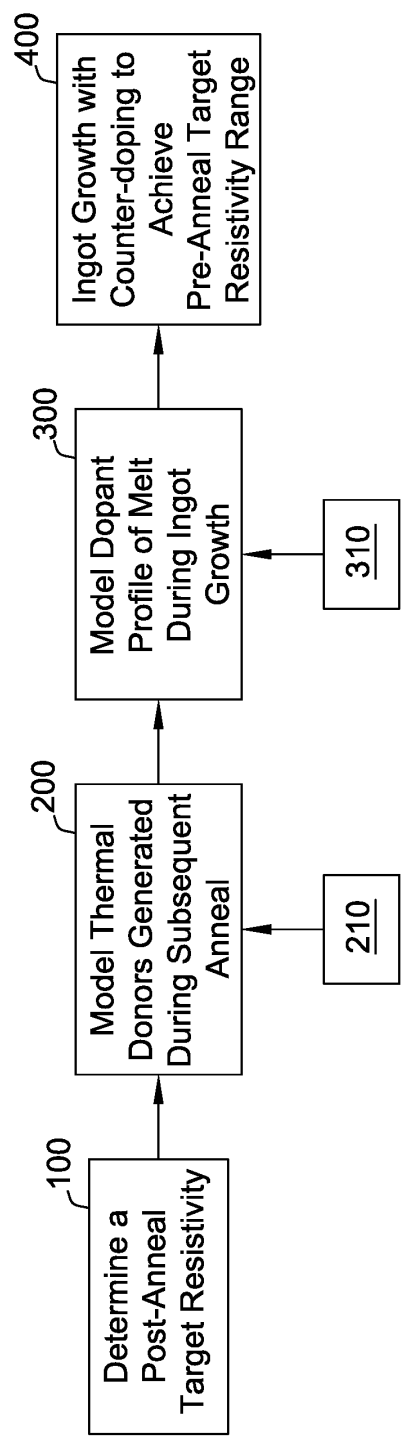


FIG. 1

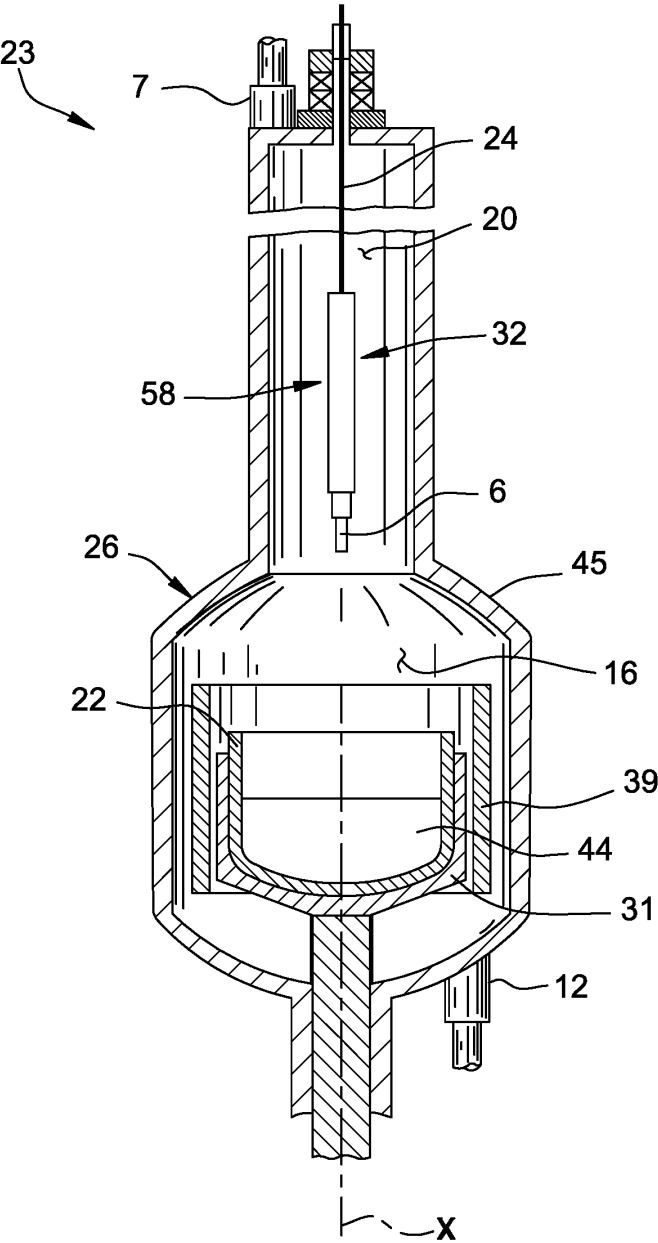


FIG. 2

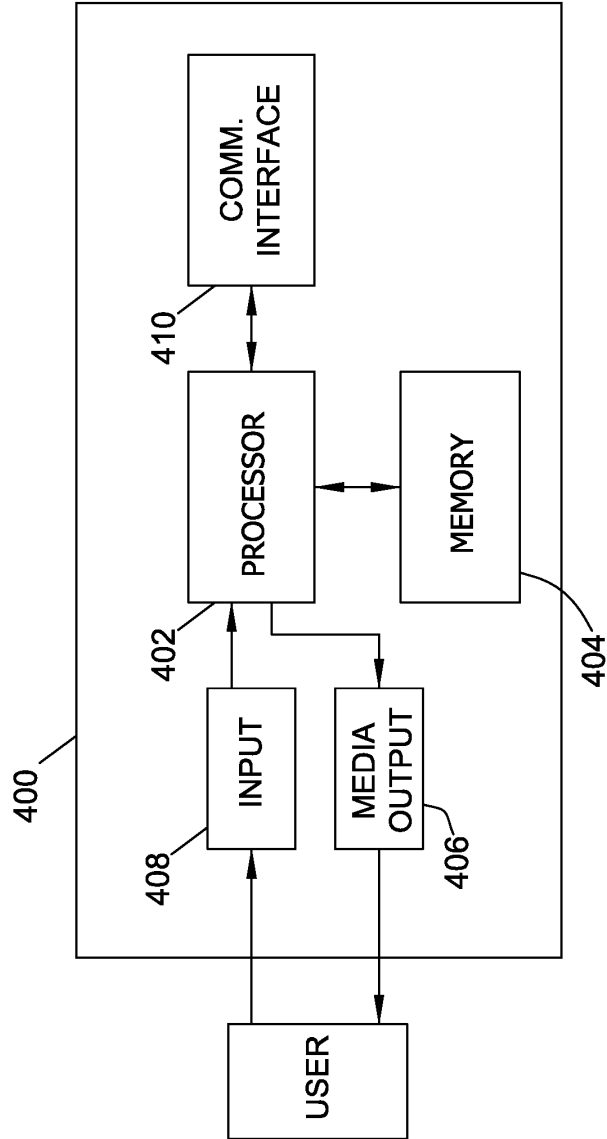


FIG. 3

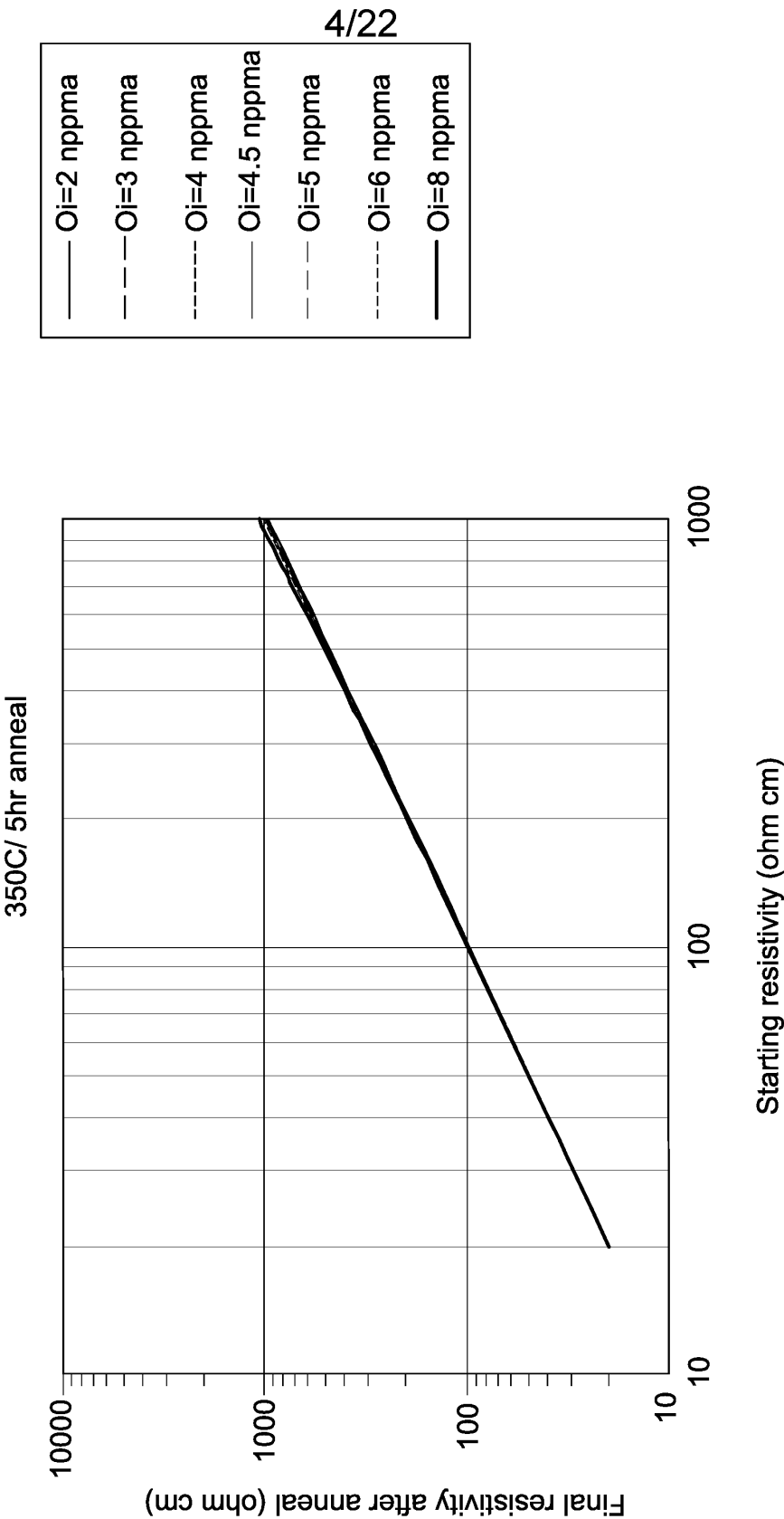


FIG. 4

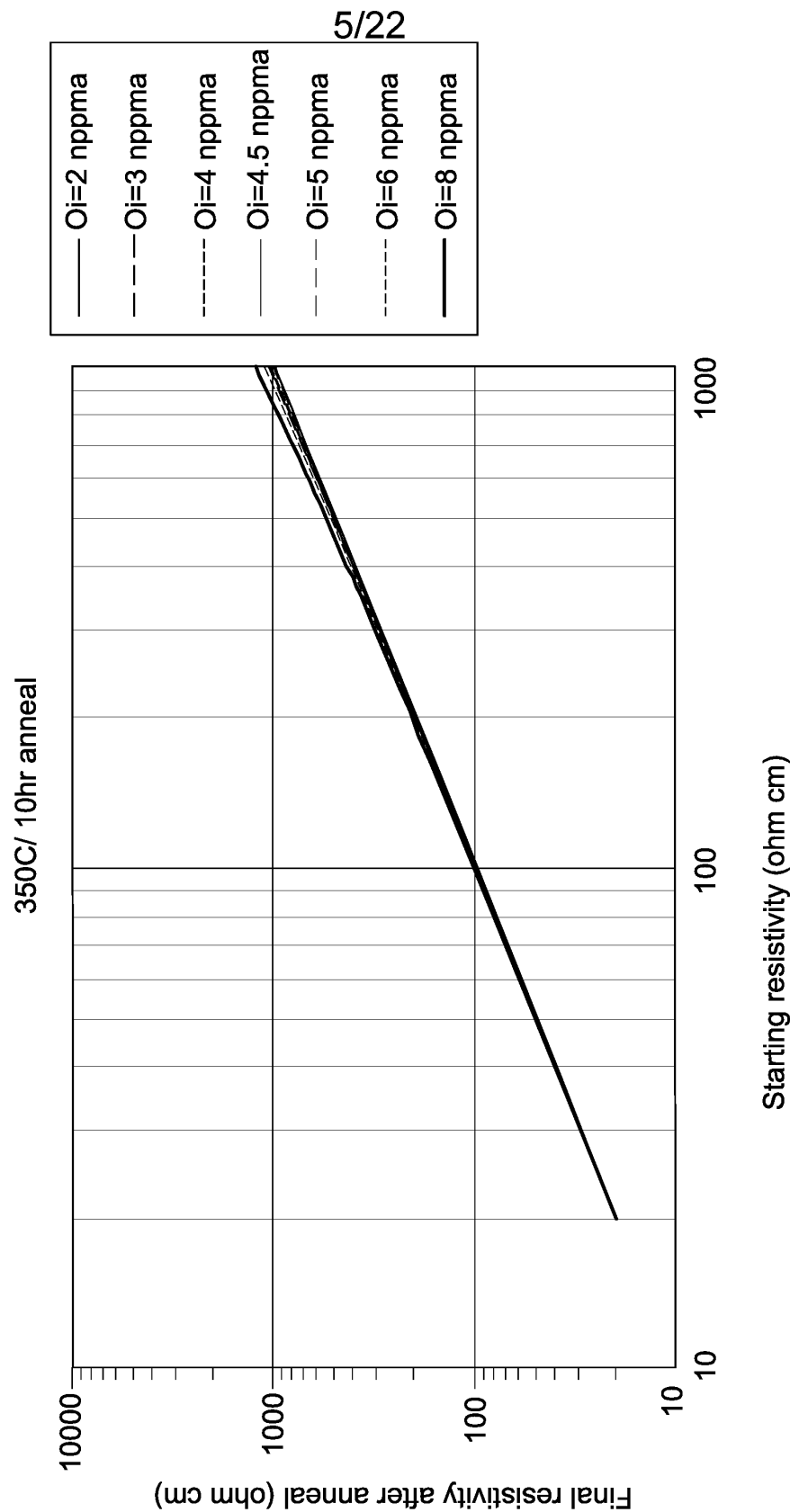


FIG. 5

6/22

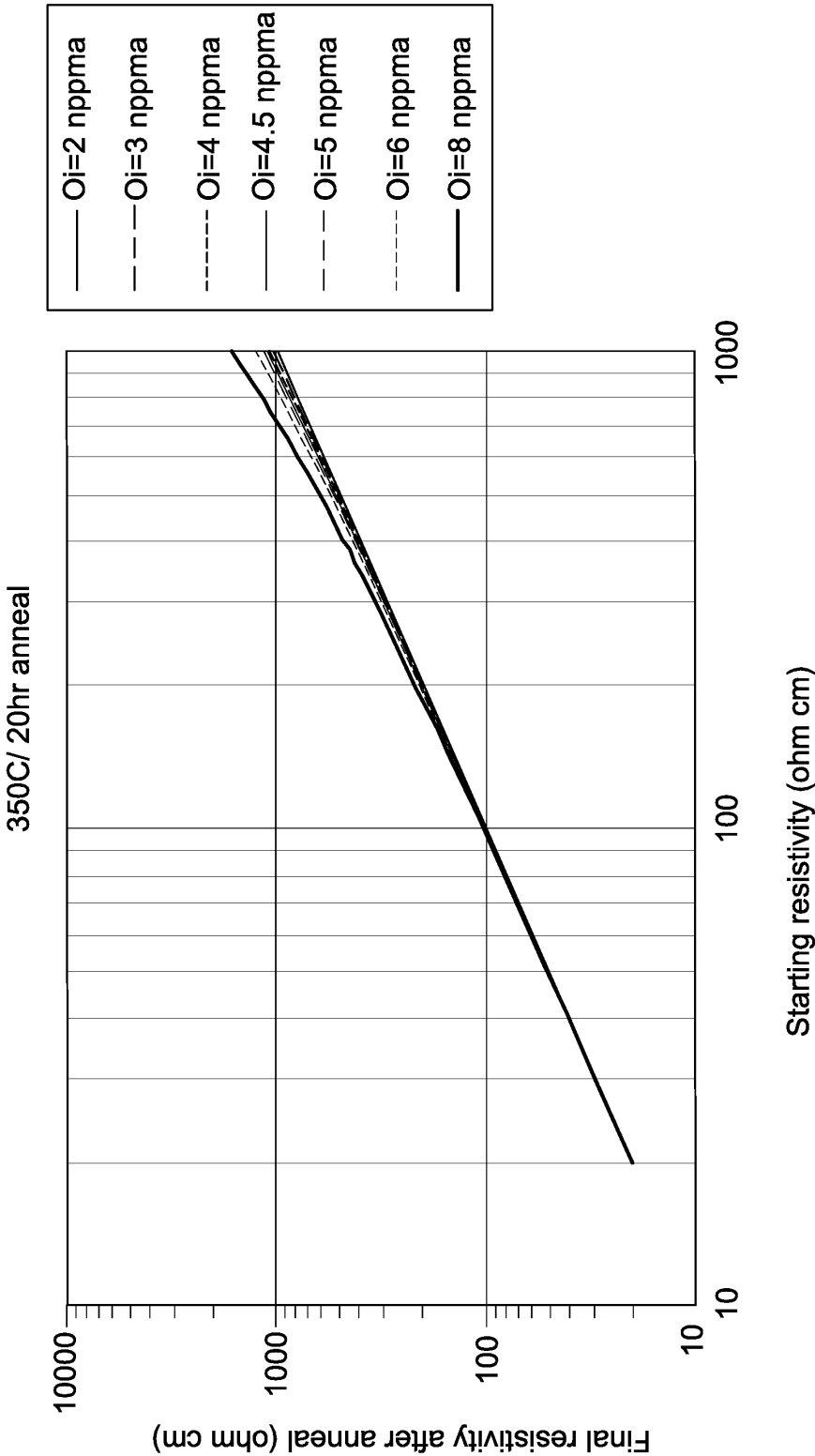


FIG. 6

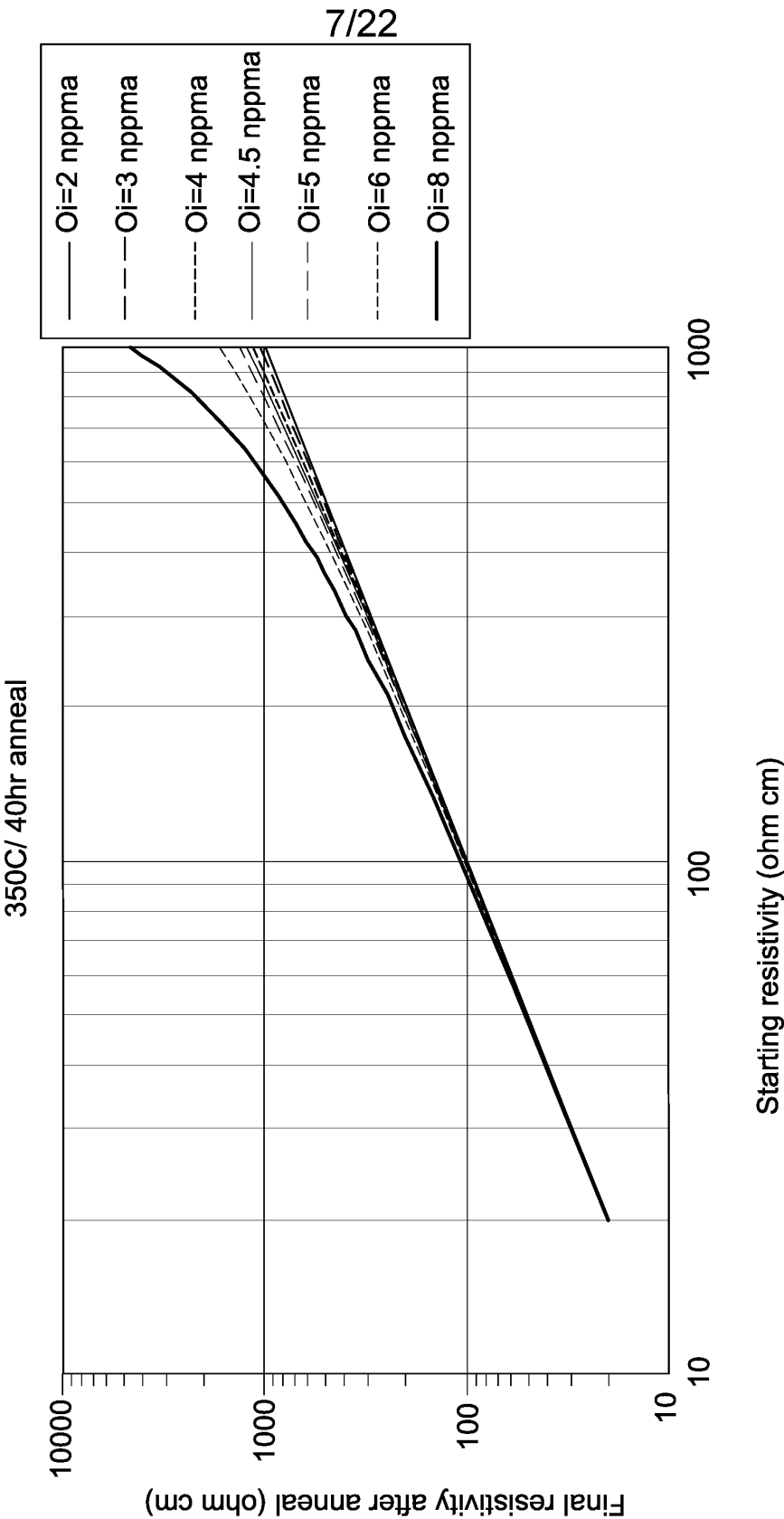
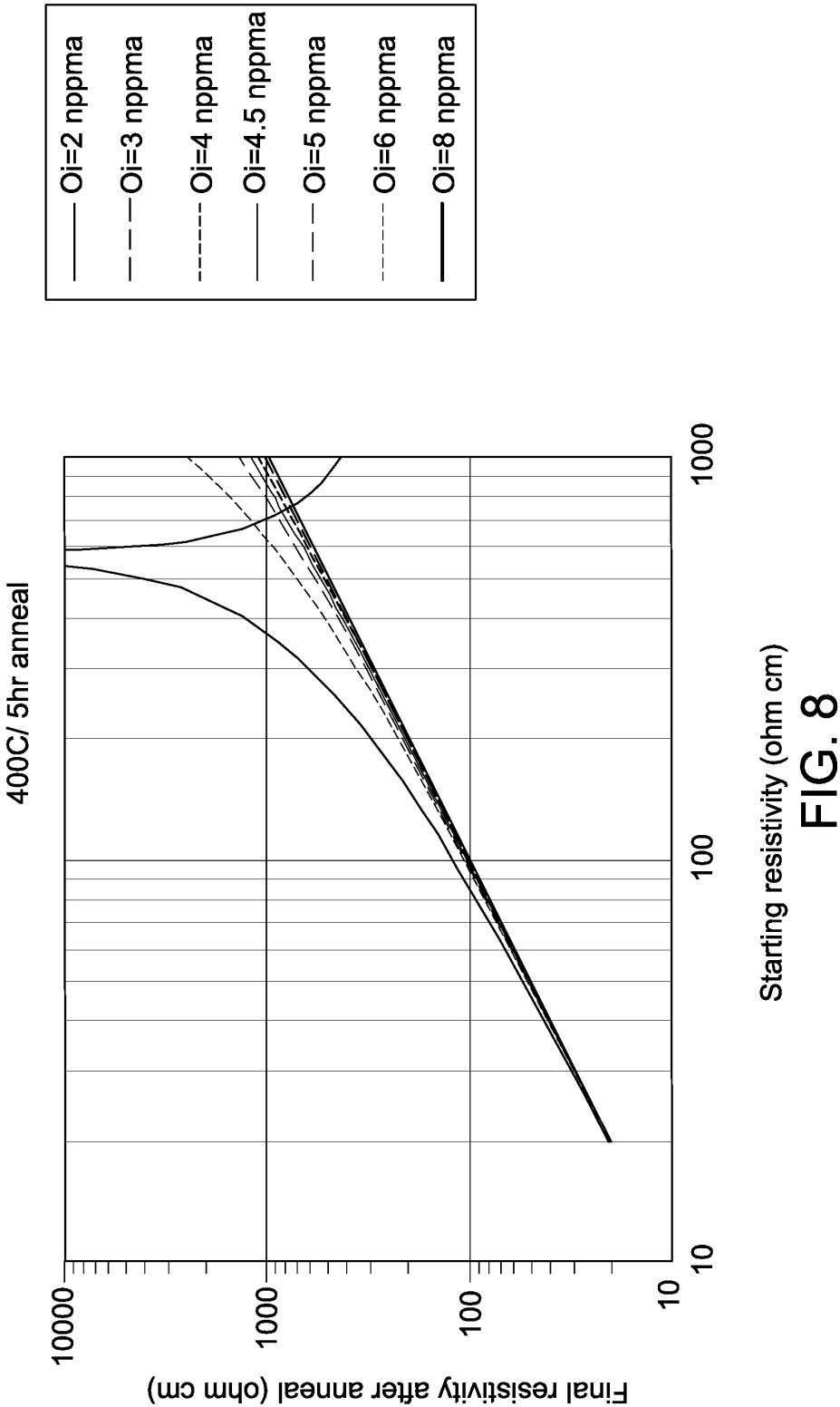


FIG. 7

8/22



9/22

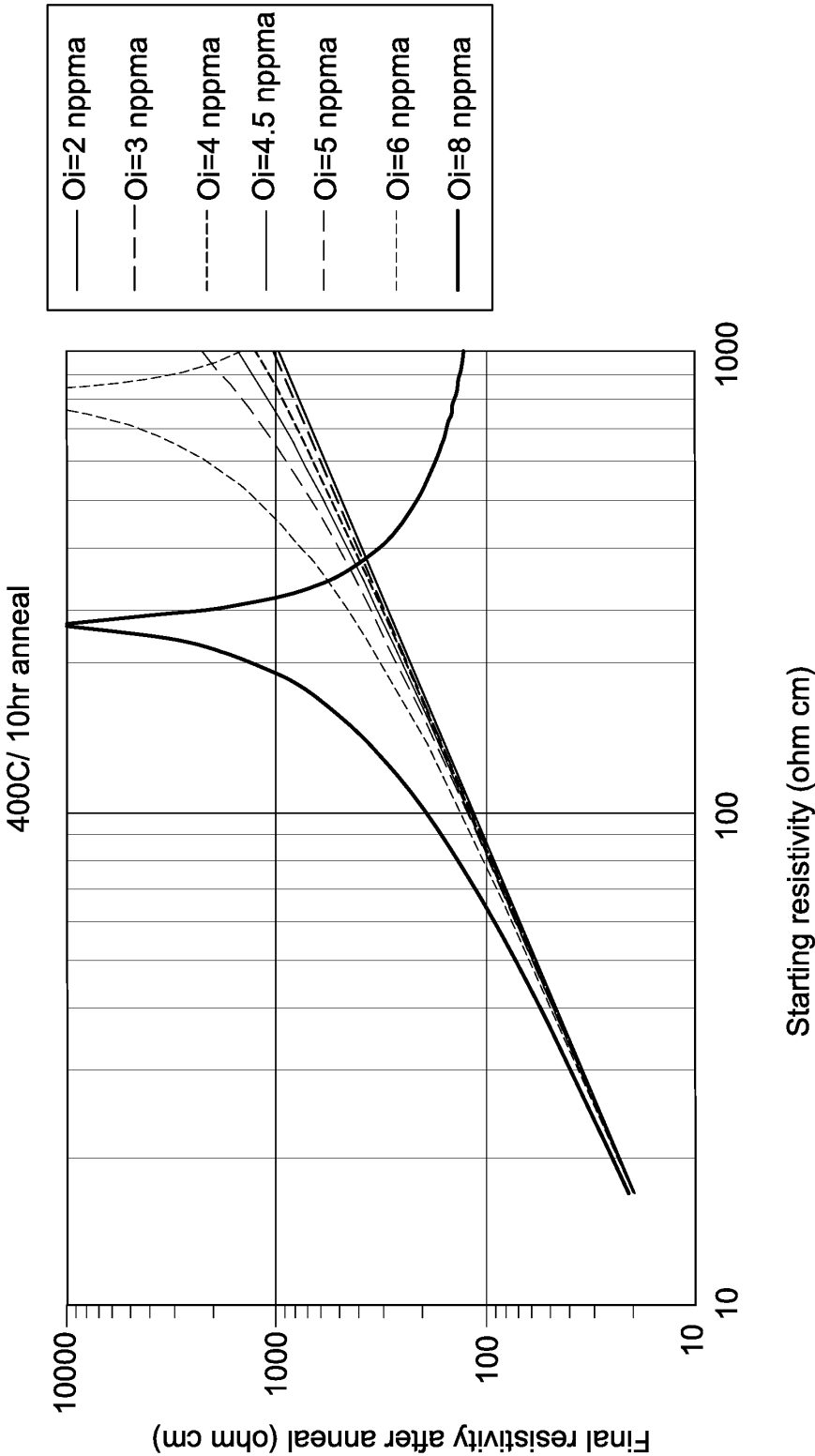


FIG. 9

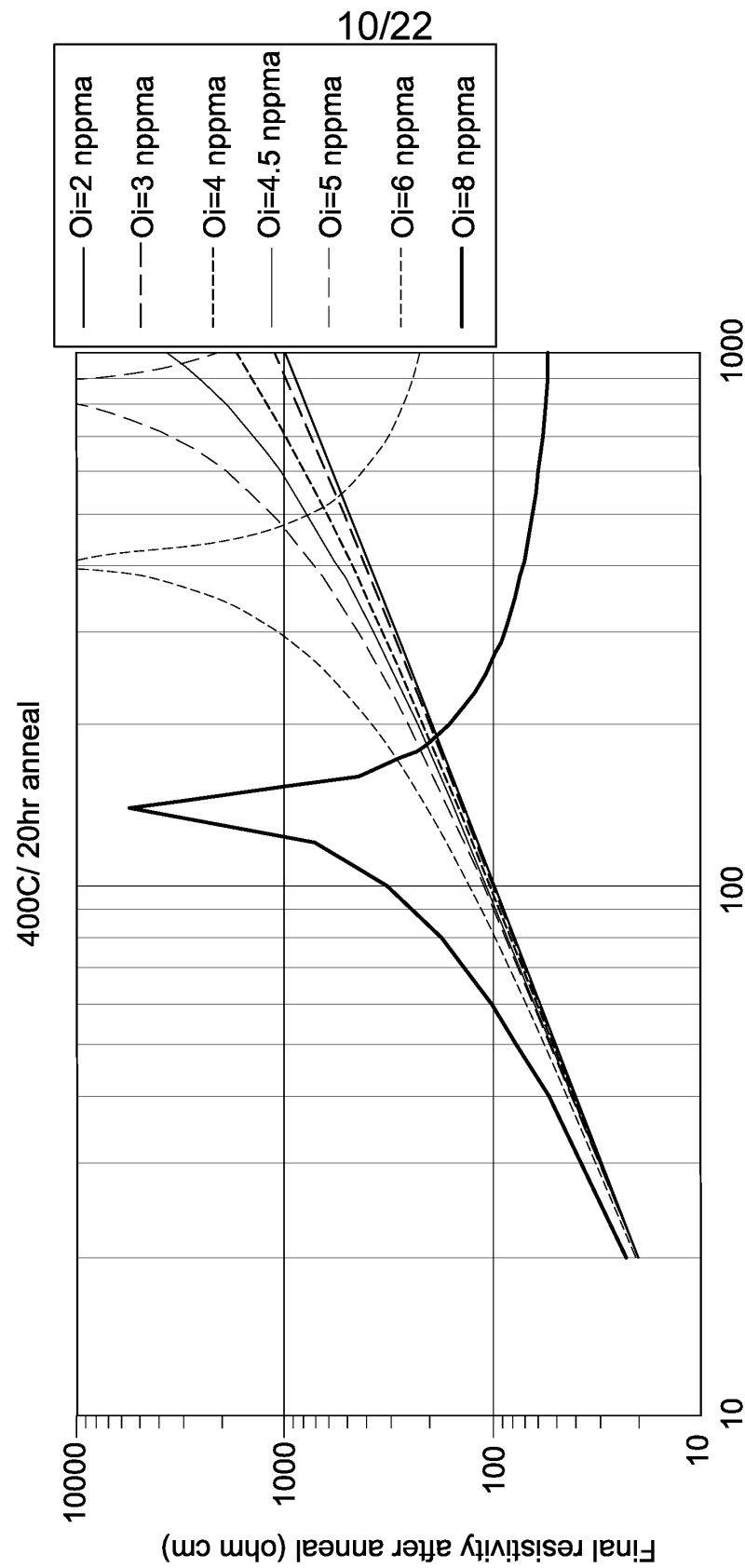


FIG. 10

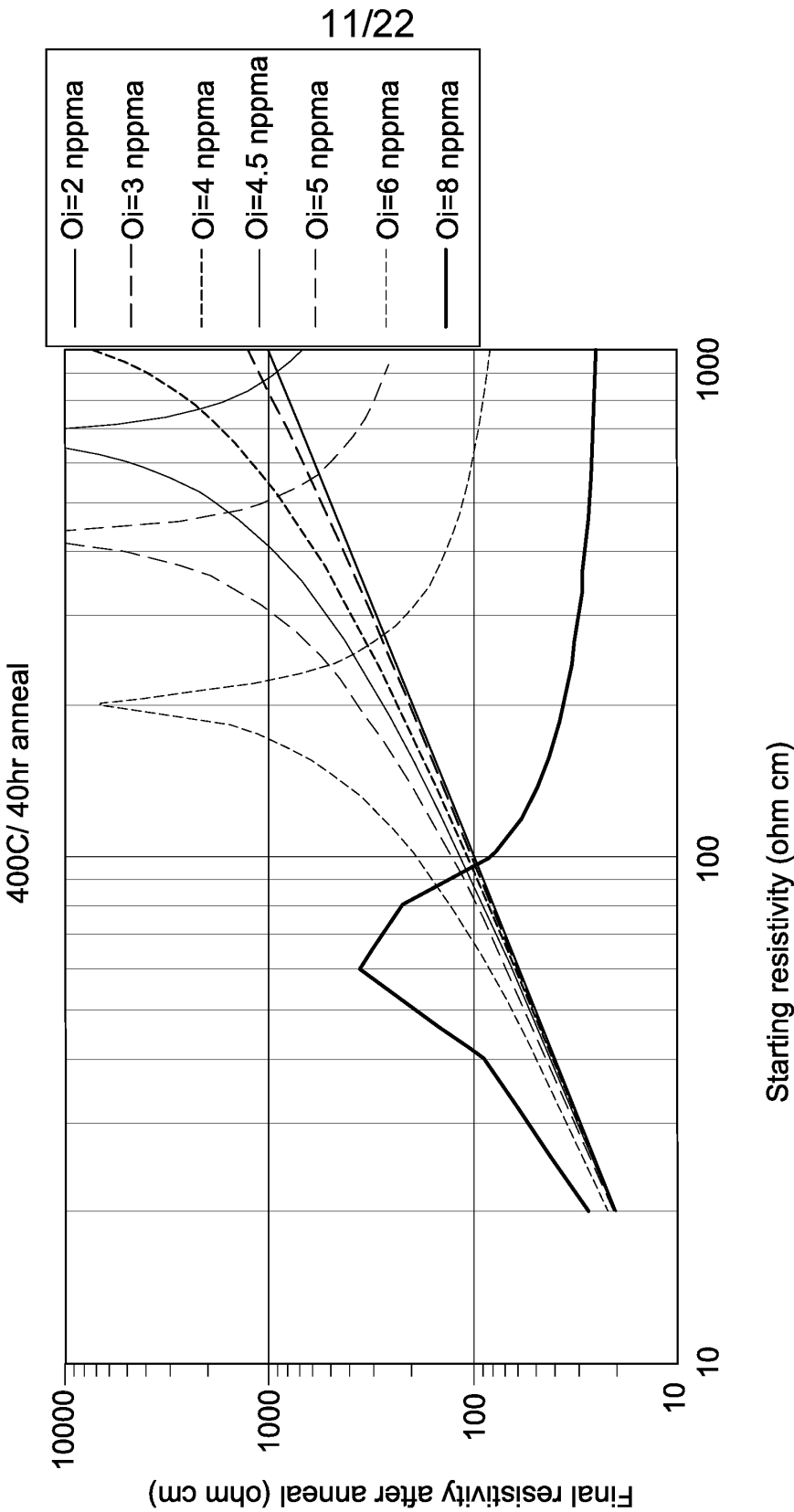


FIG. 11

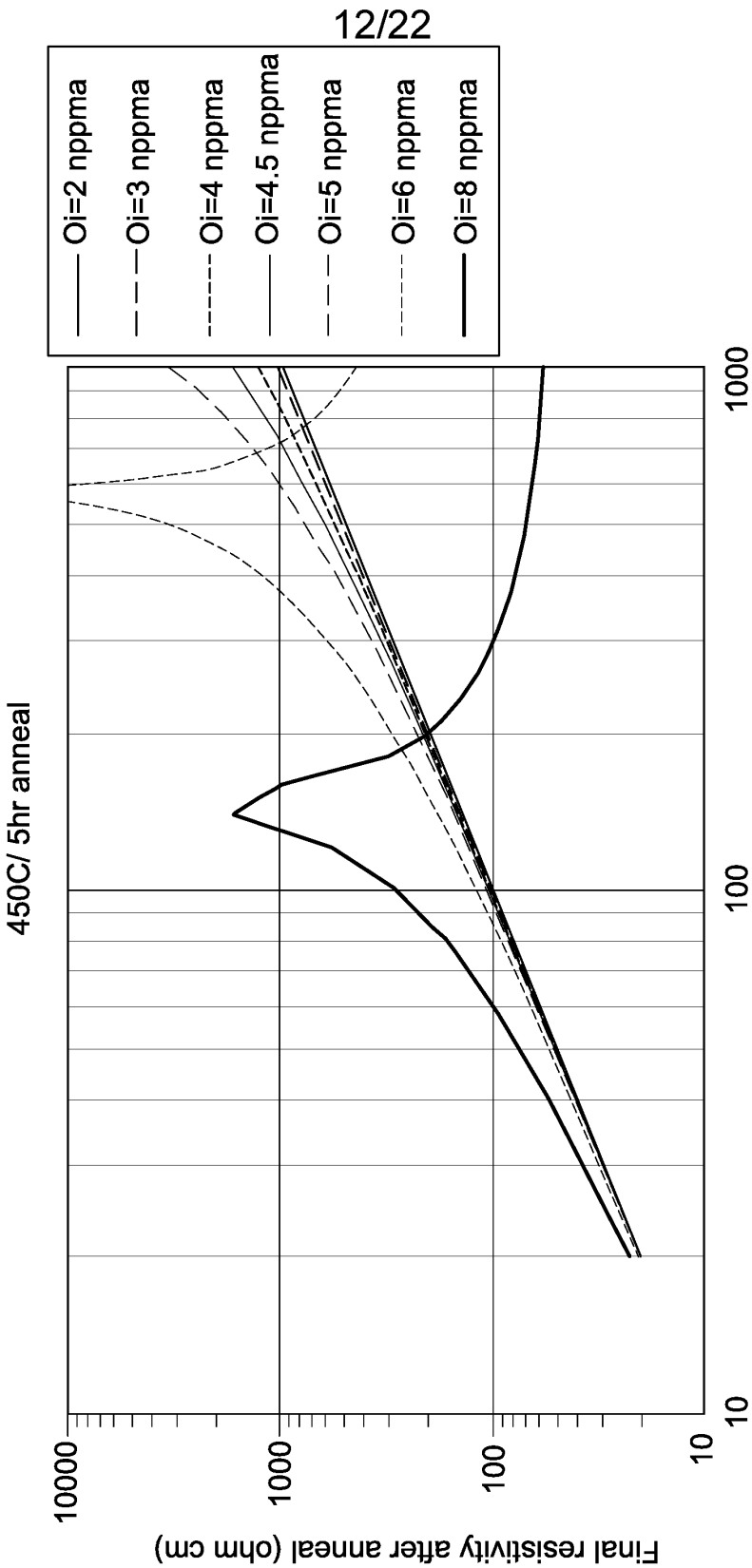


FIG. 12

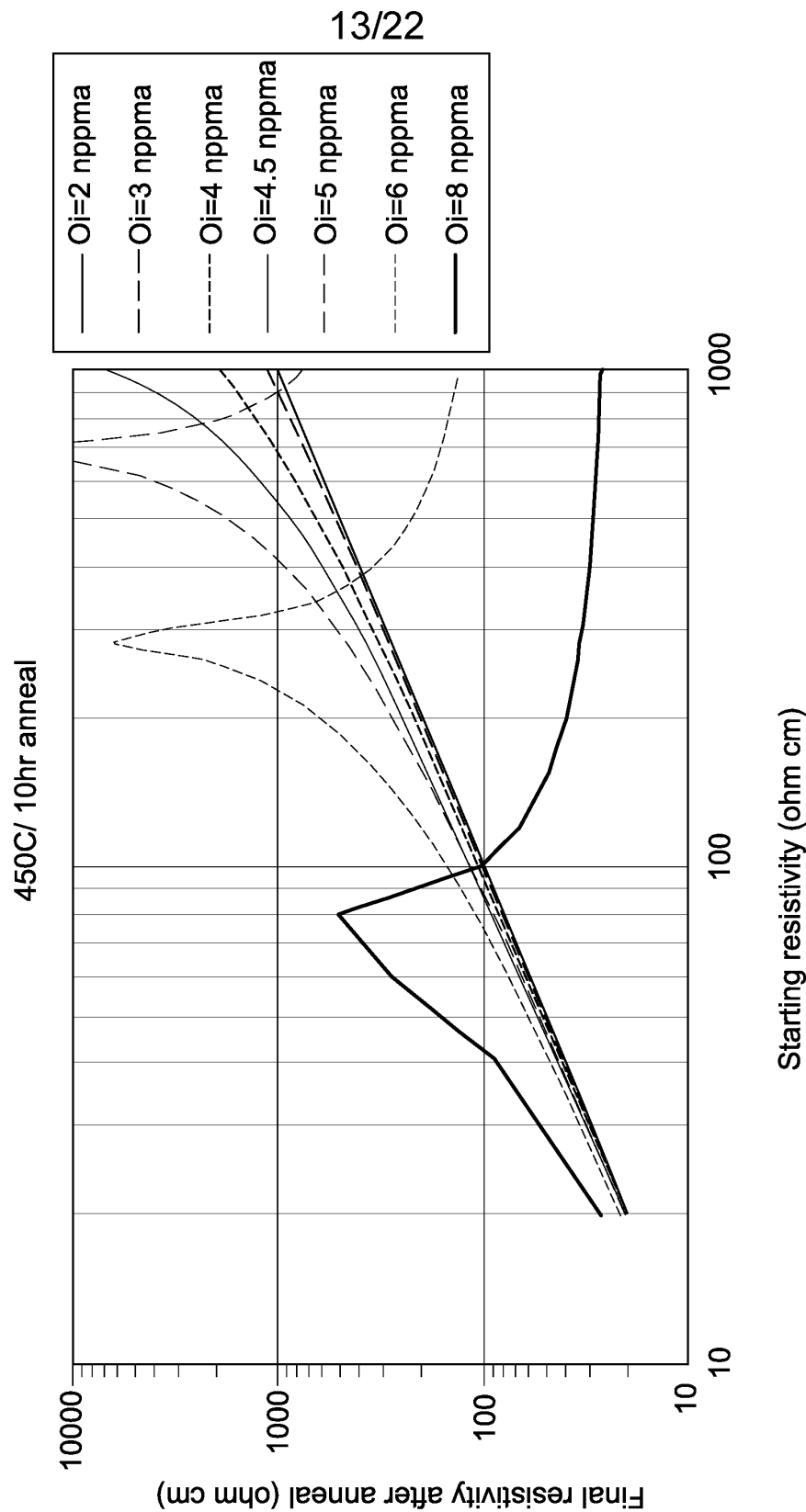


FIG. 13

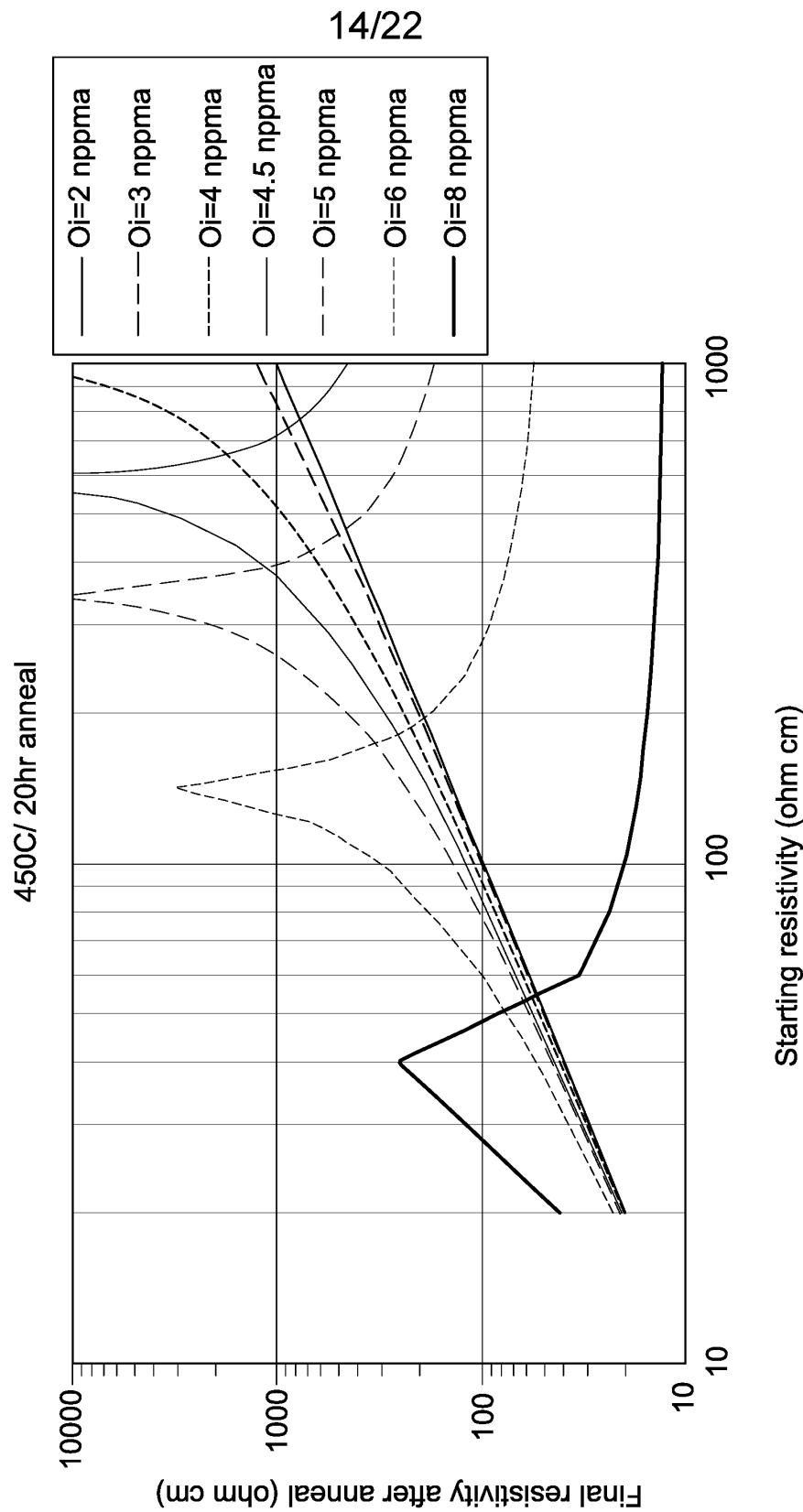


FIG. 14

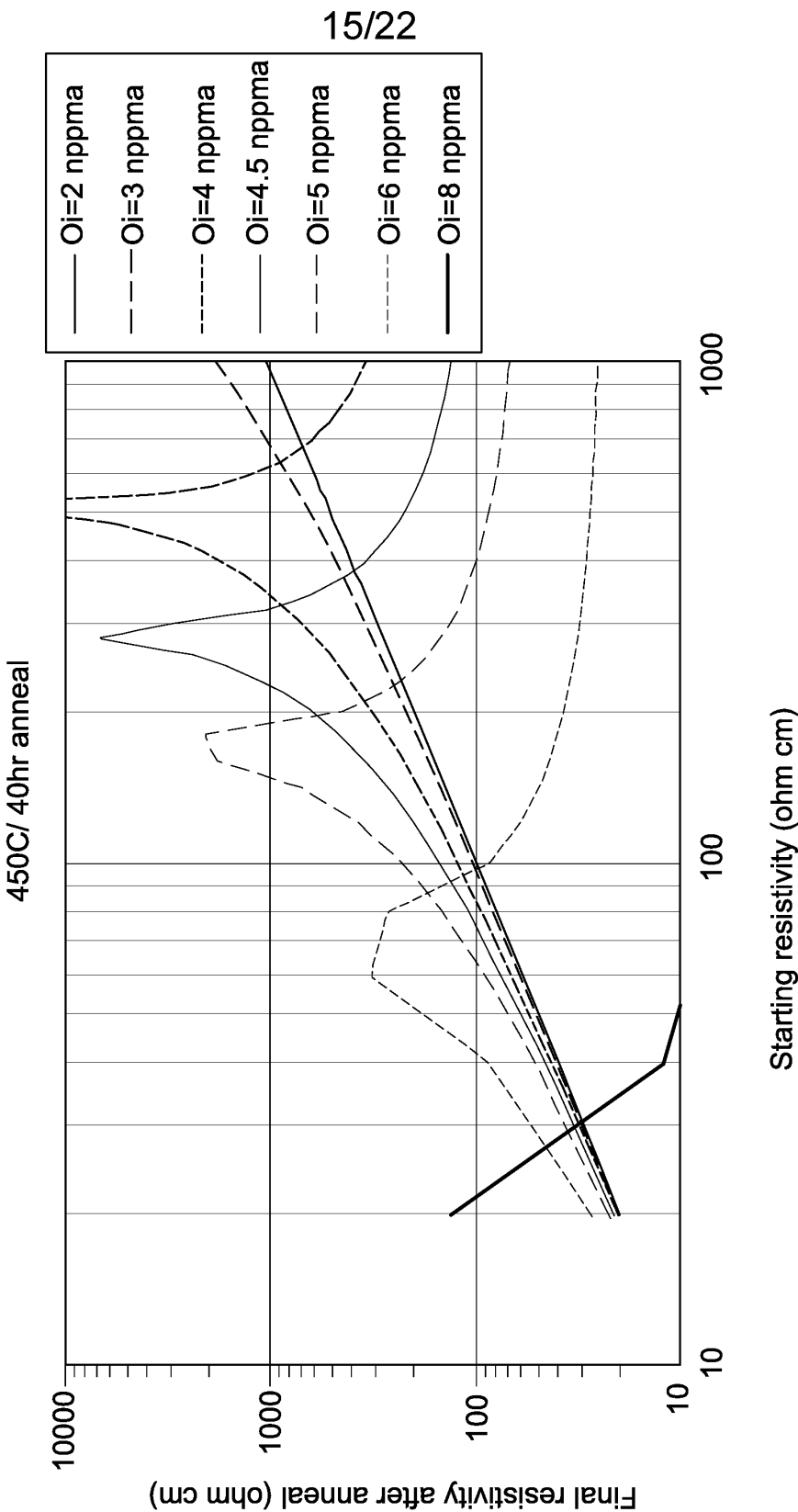


FIG. 15

Resistivity vs. % solidification

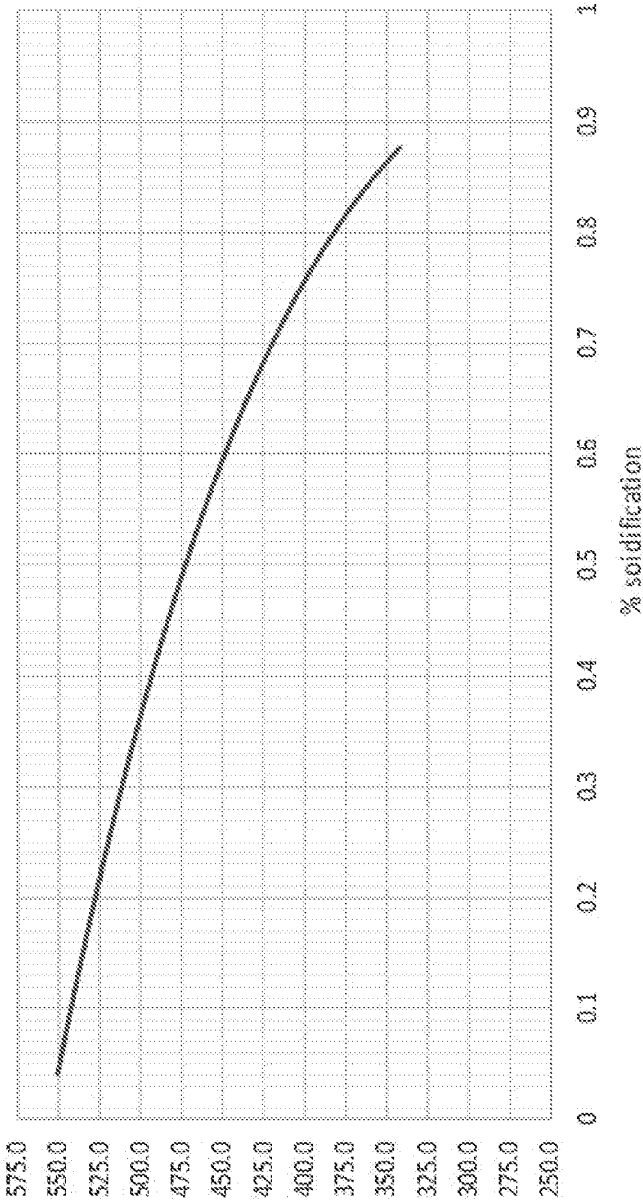
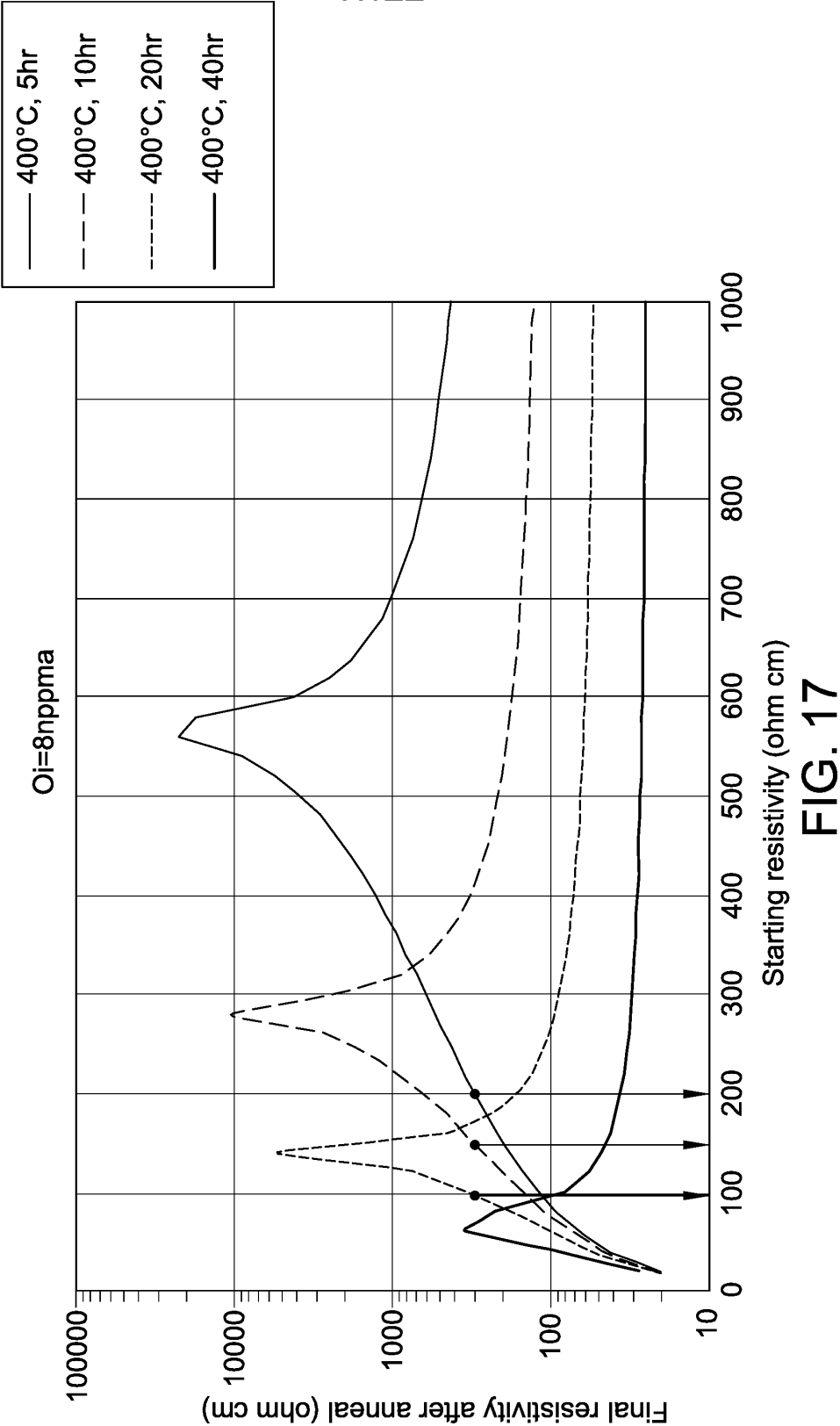


FIG. 16

17/22



Resistivity Profile vs. % solidification

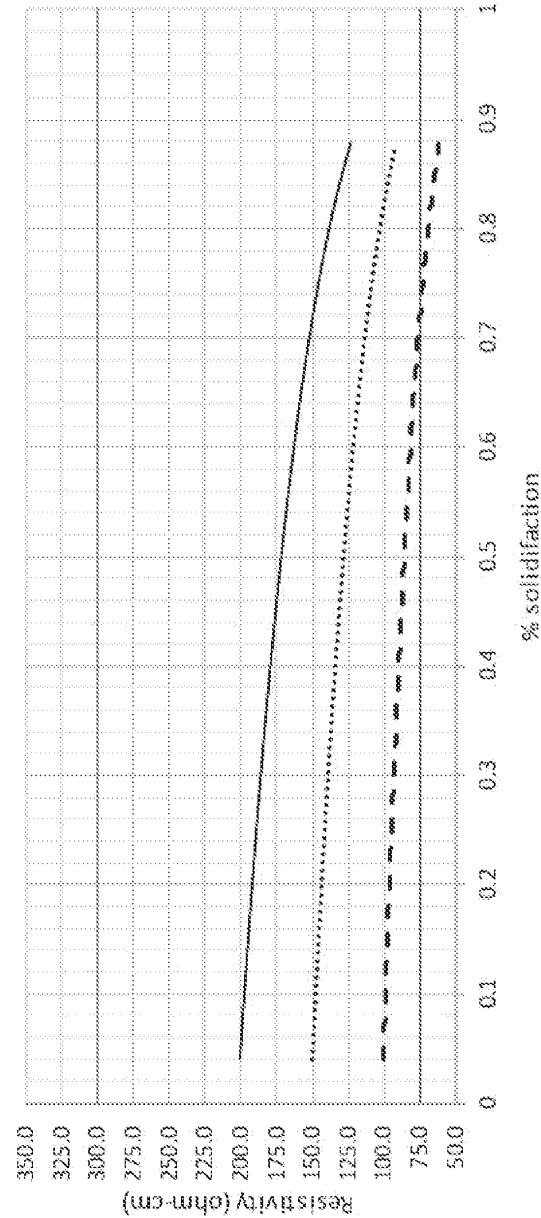


FIG. 18

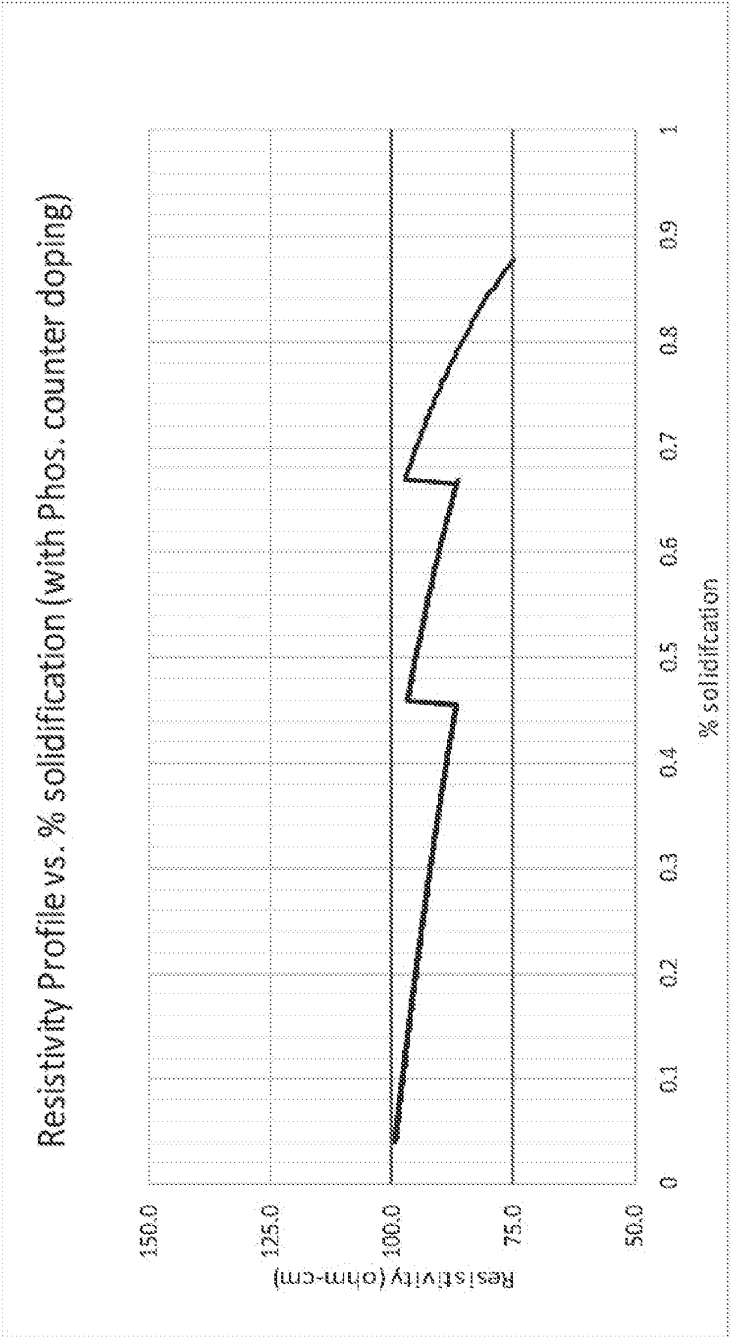


FIG. 19

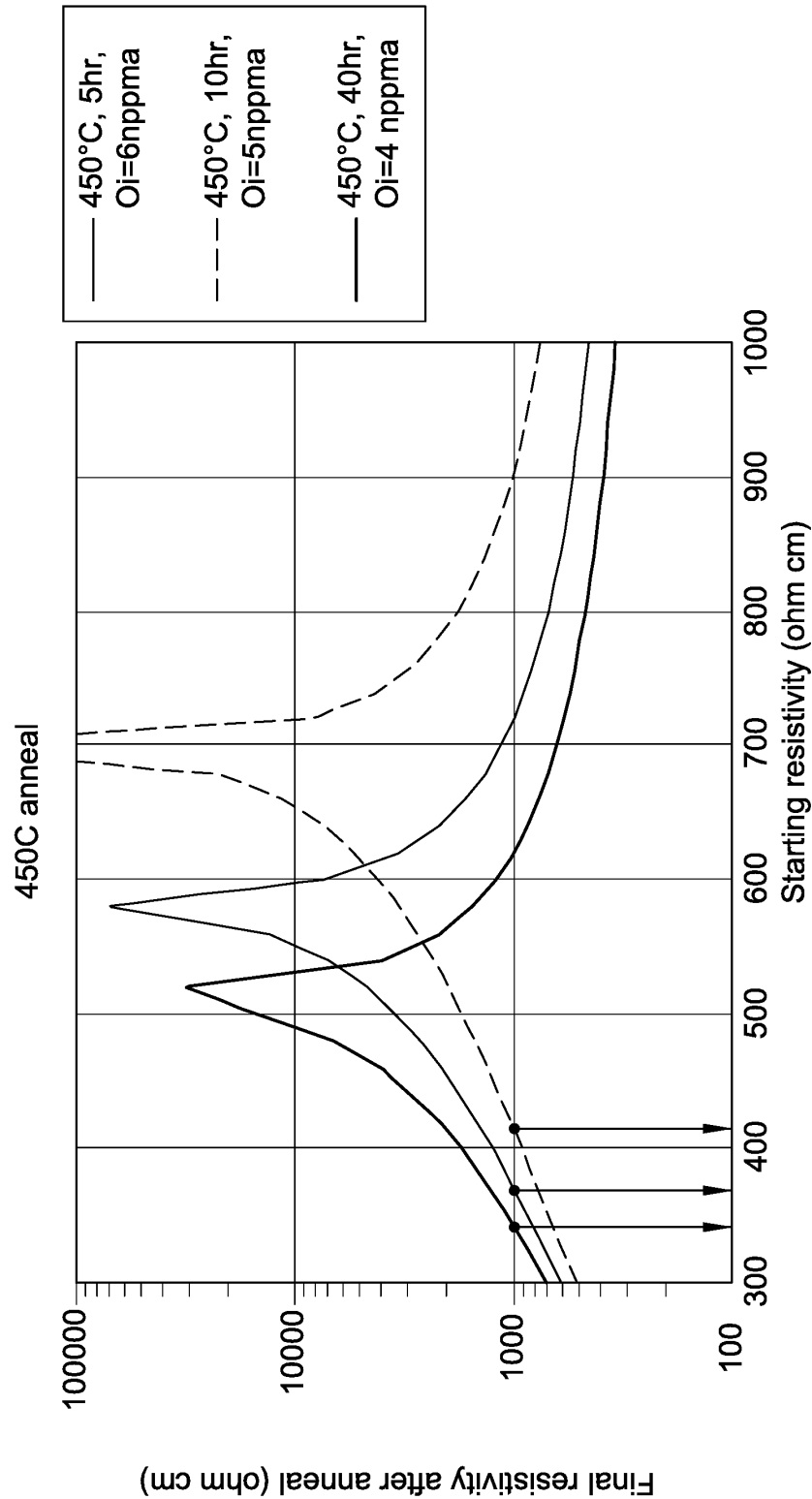


FIG. 20

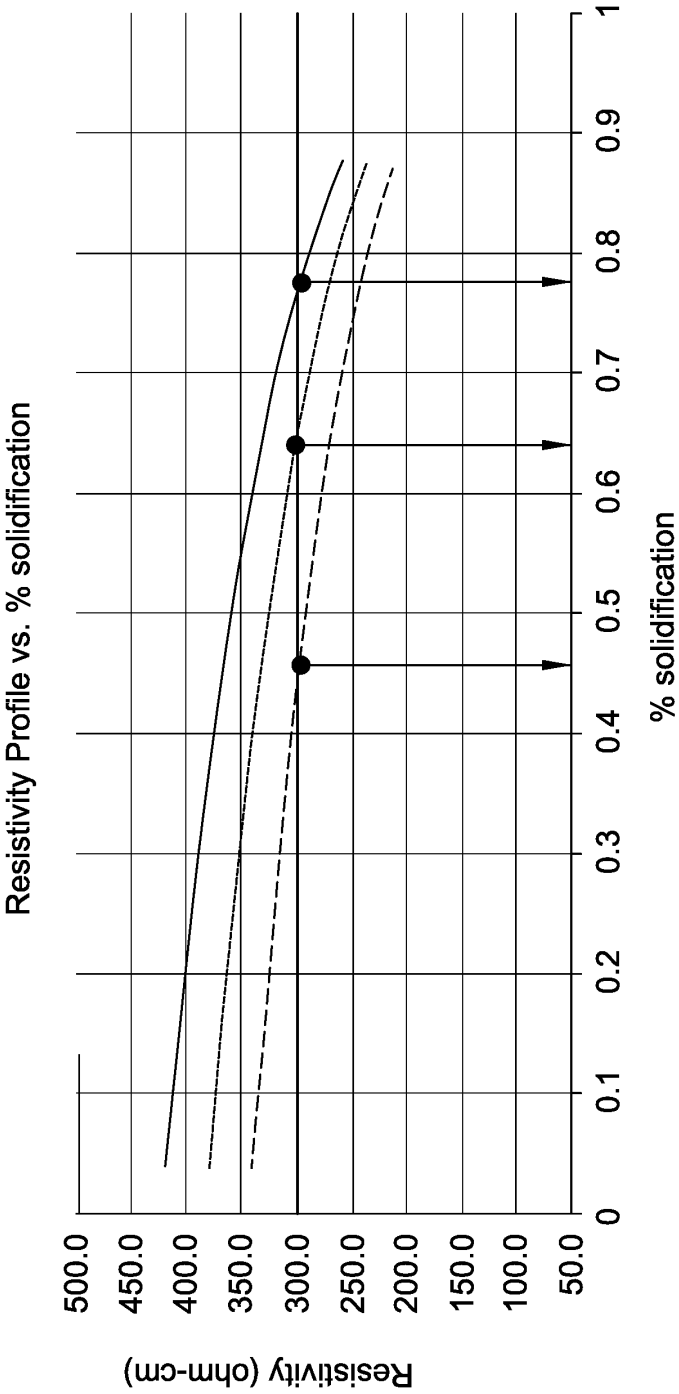


FIG. 21

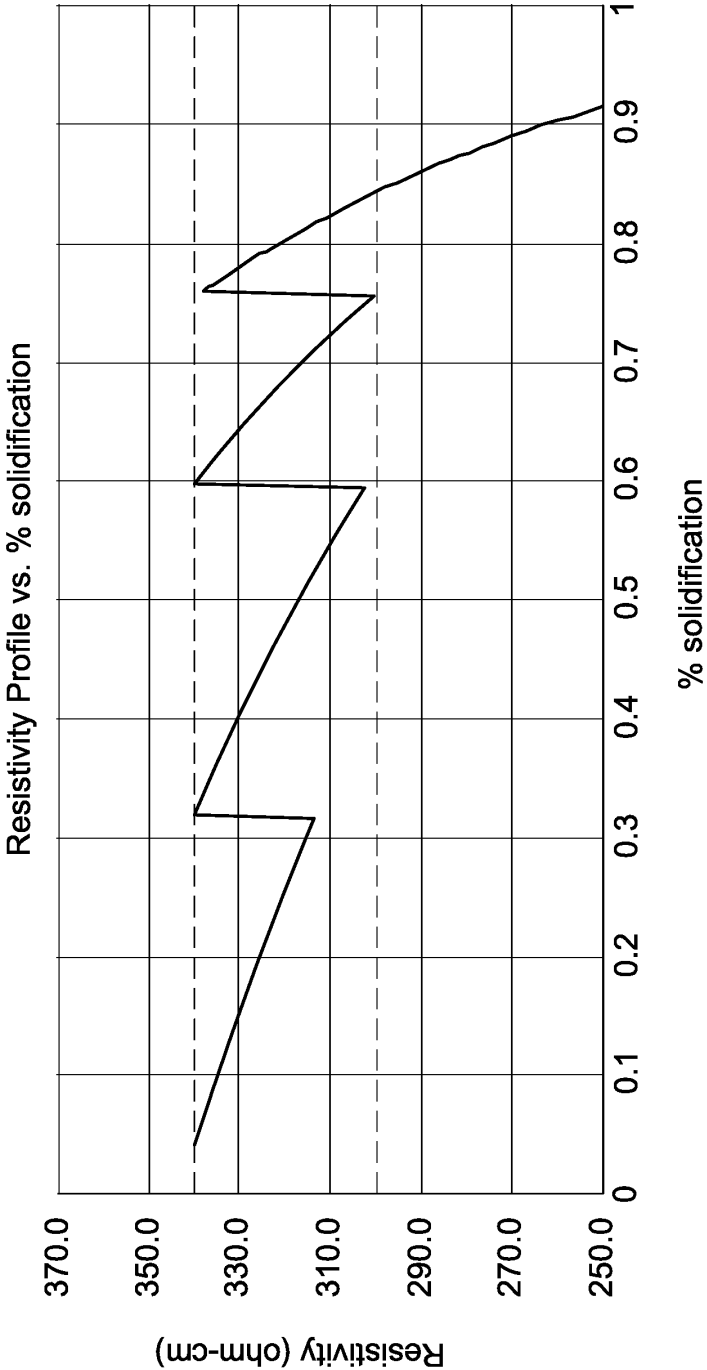


FIG. 22