

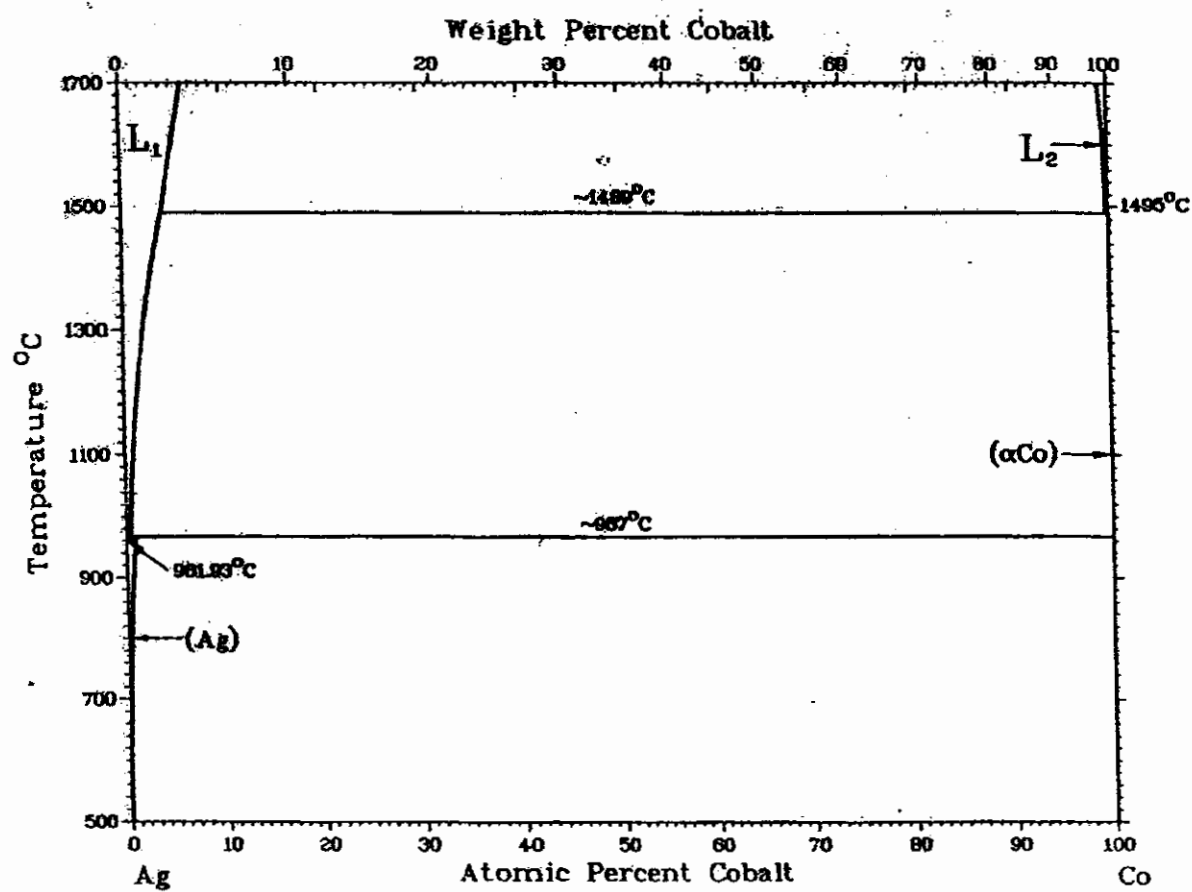


Figure 1. Ag-Co phase diagram.

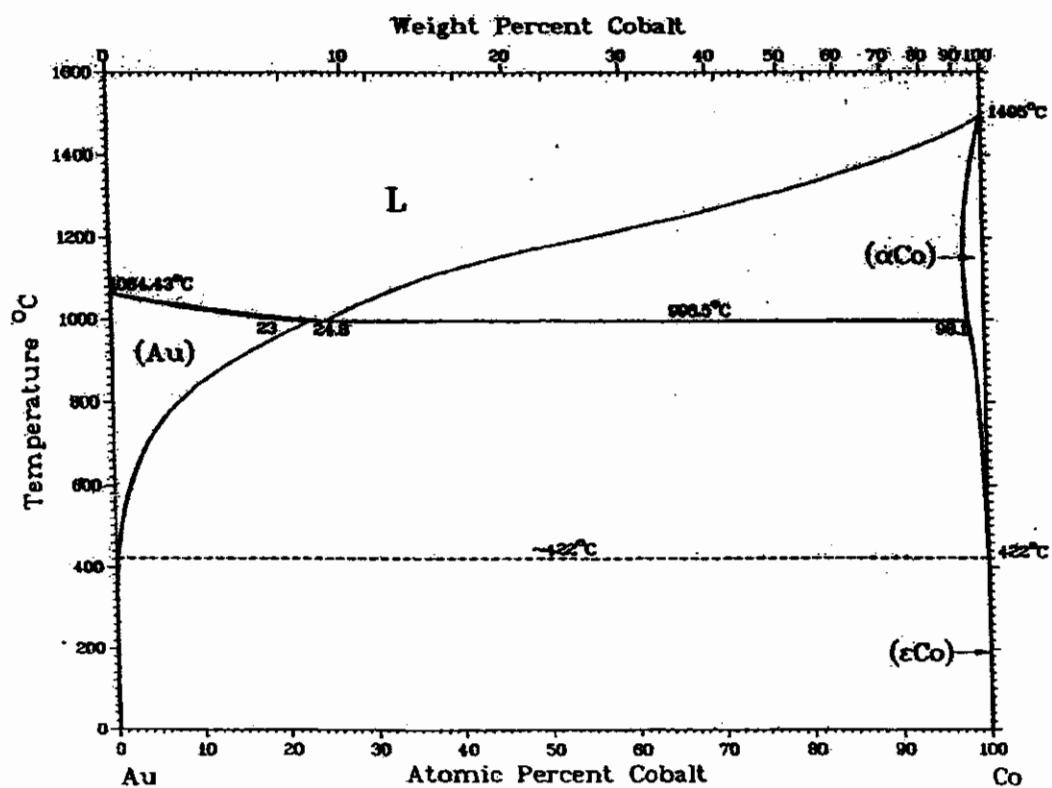


Figure 2. Au-Co phase diagram

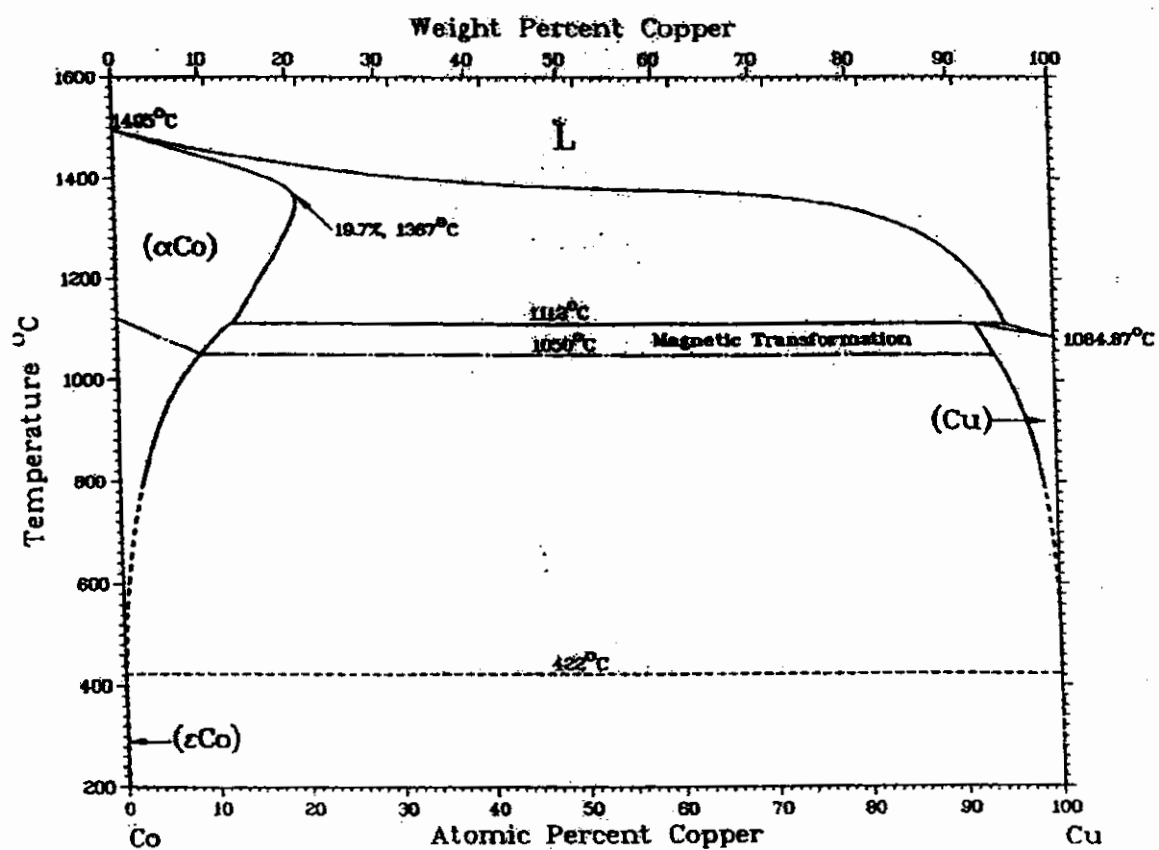


Figure 3. Co-Cu phase diagram

FIGURE 4

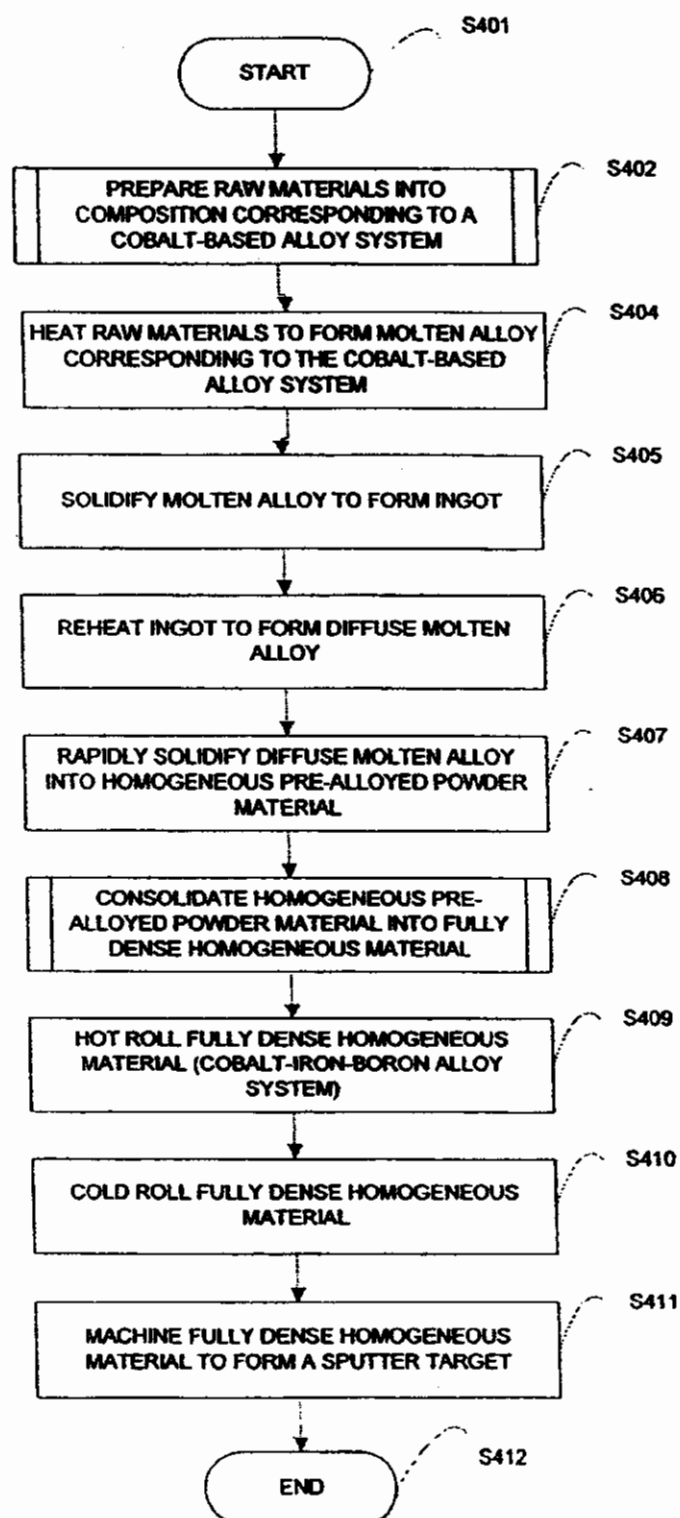
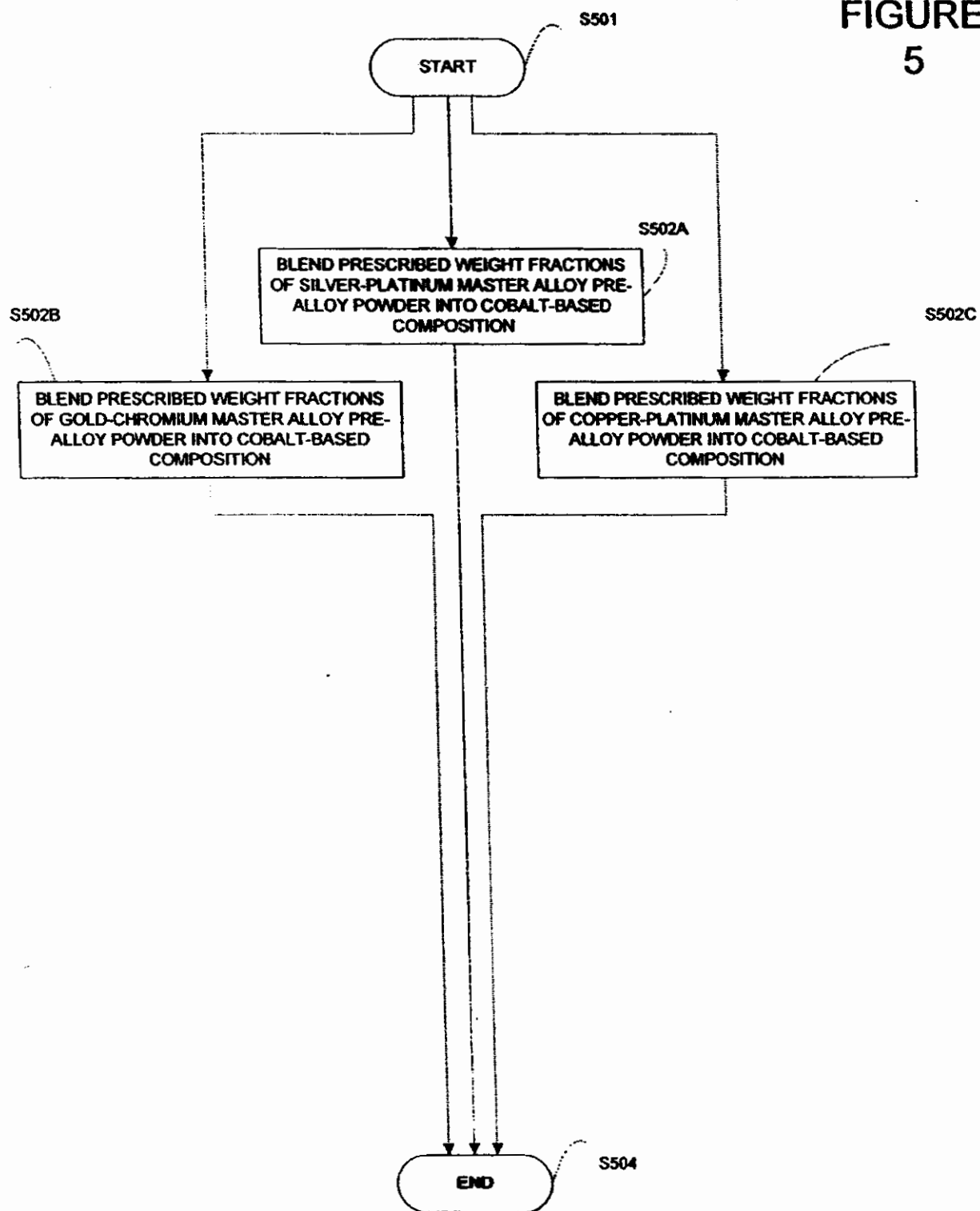


FIGURE
5



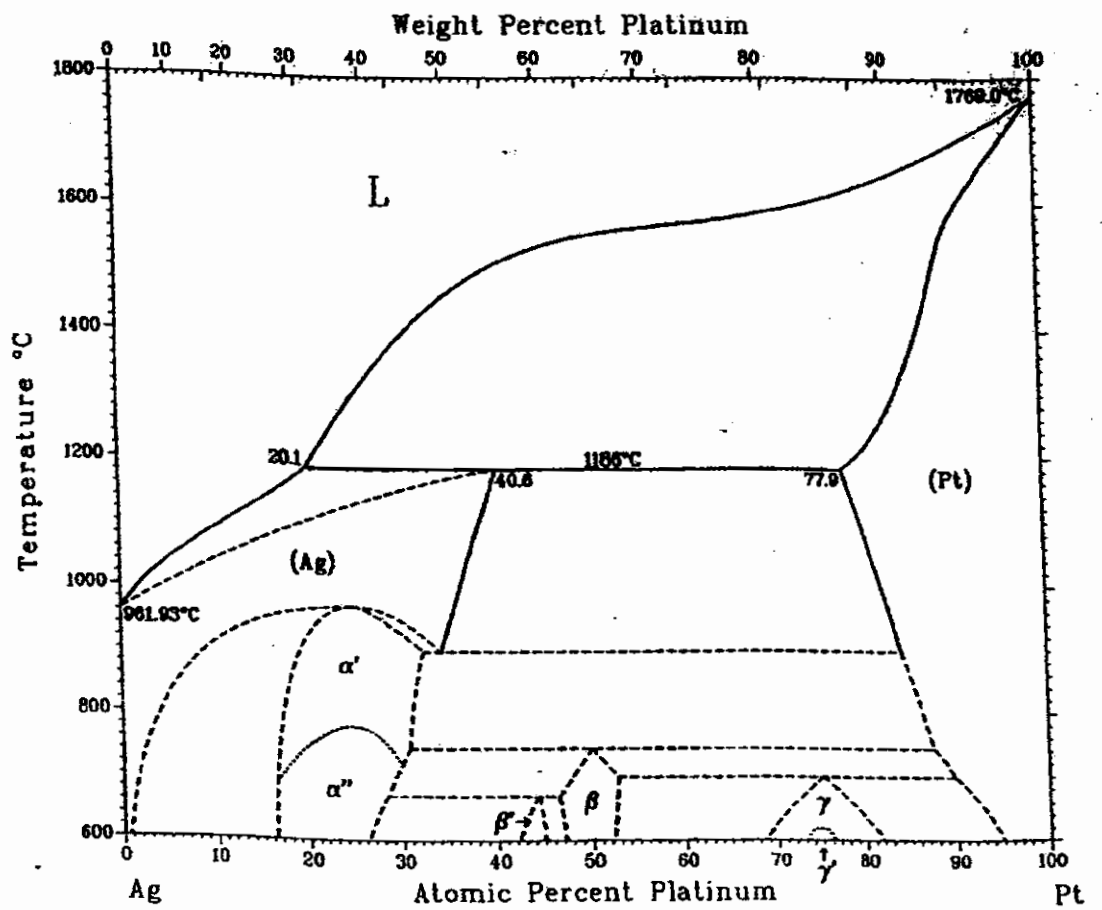


Figure 6. Ag-Pt phase diagram

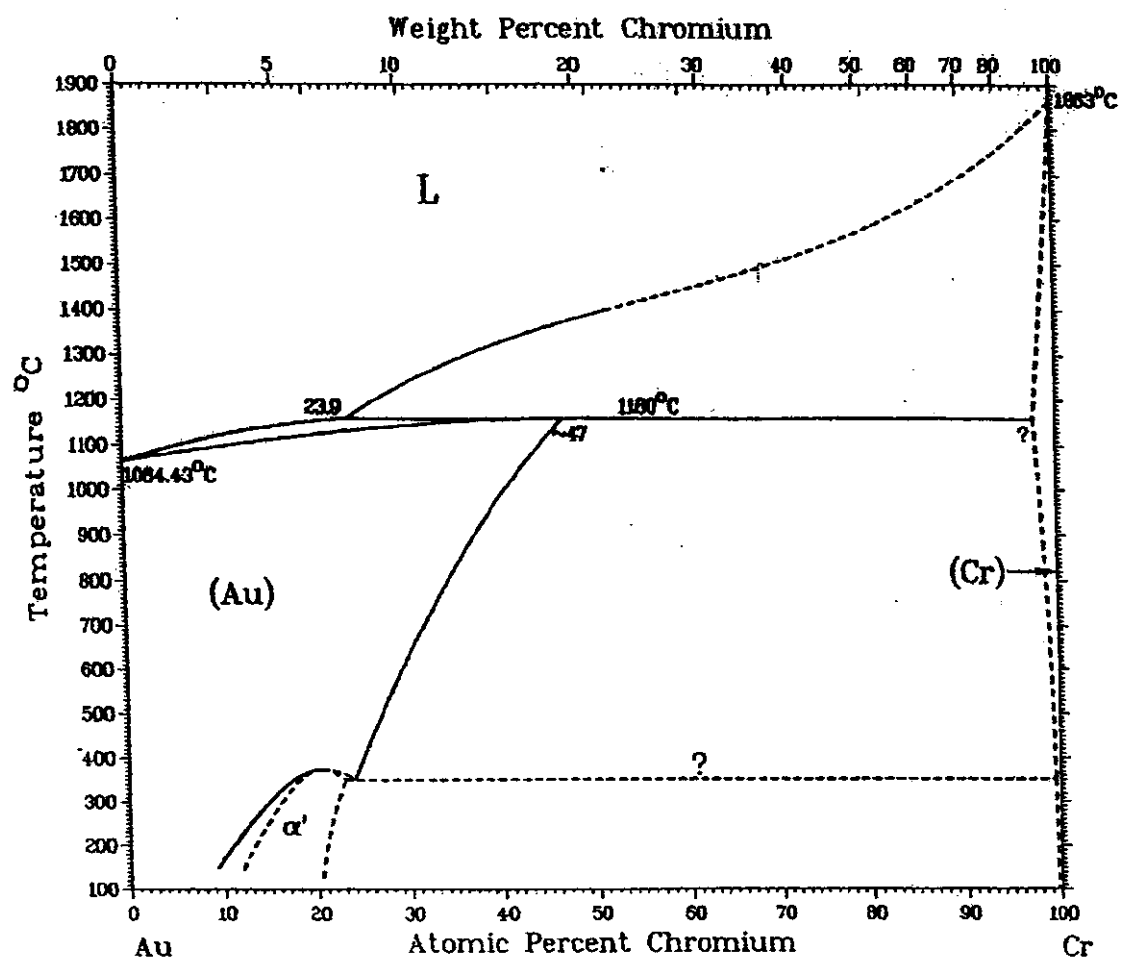


Figure 7. Au-Cr phase diagram

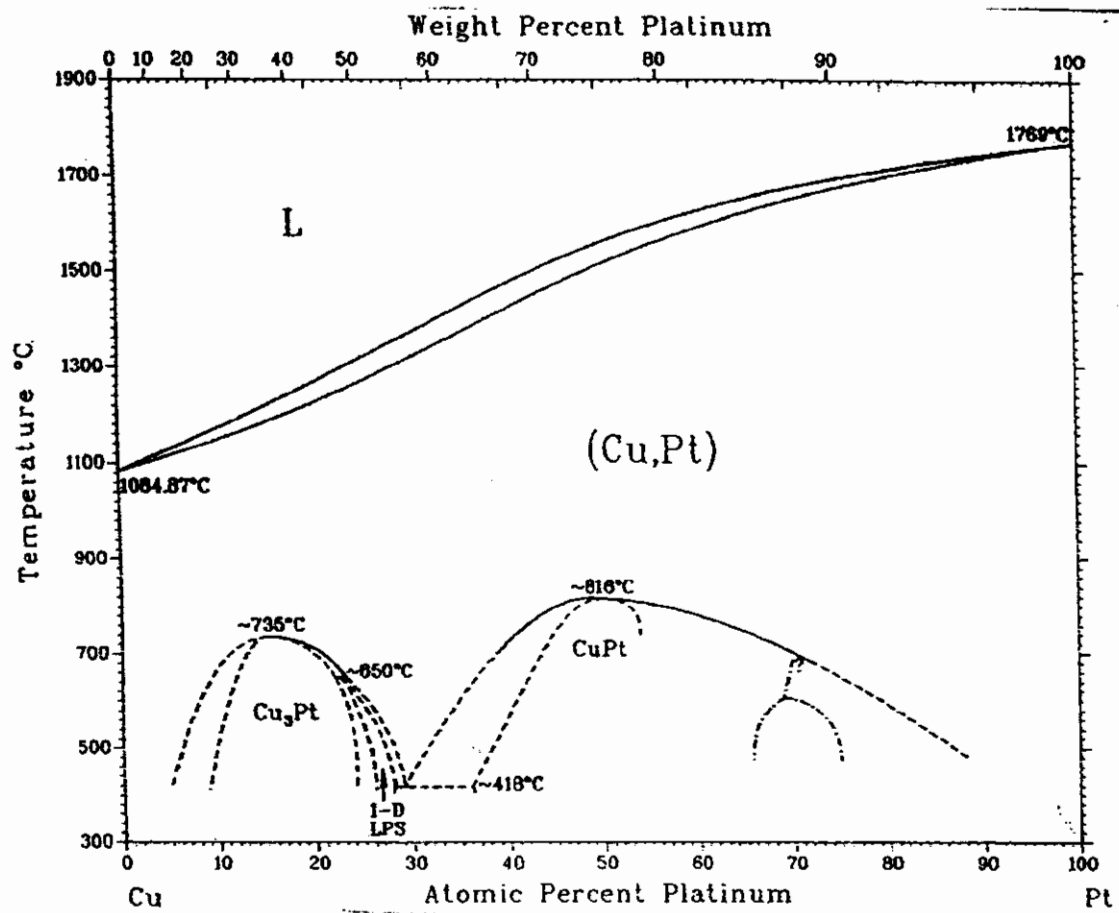


Figure 8. Cu-Pt phase diagram

FIGURE 9

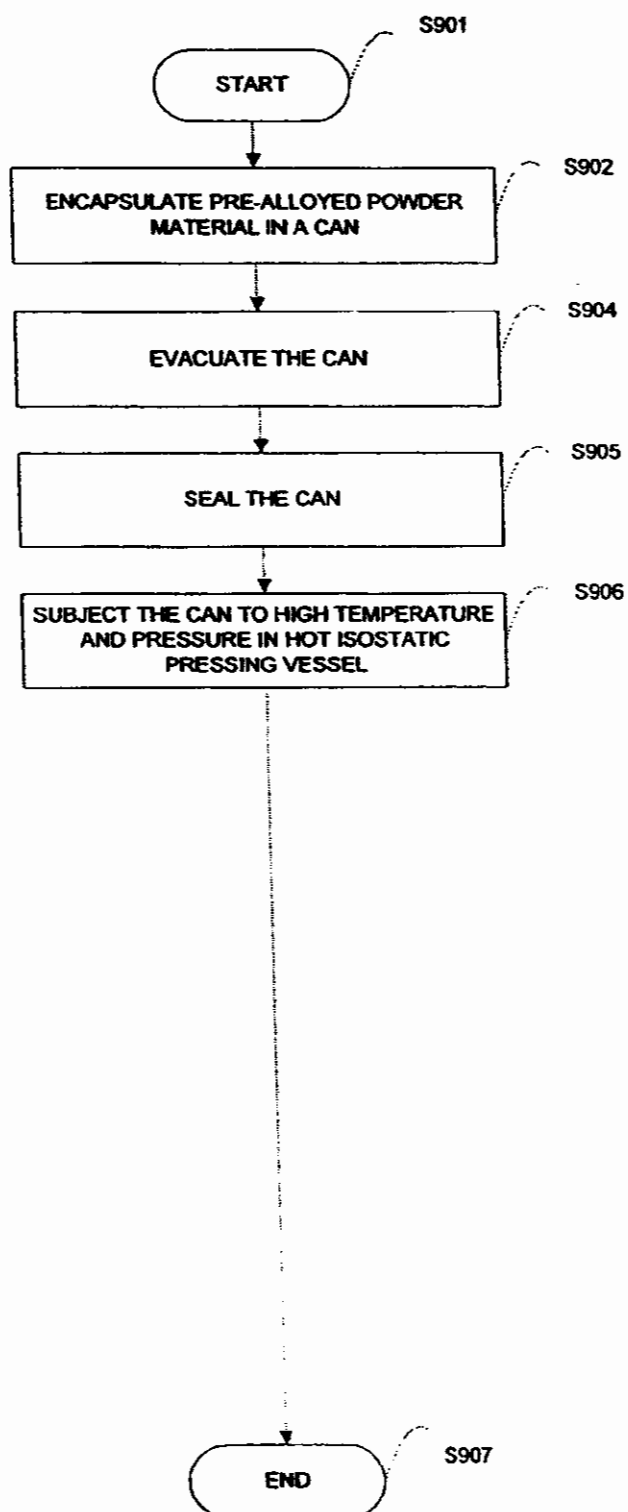




Figure 10. SEM backscattered image of the as-cast Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B alloy.

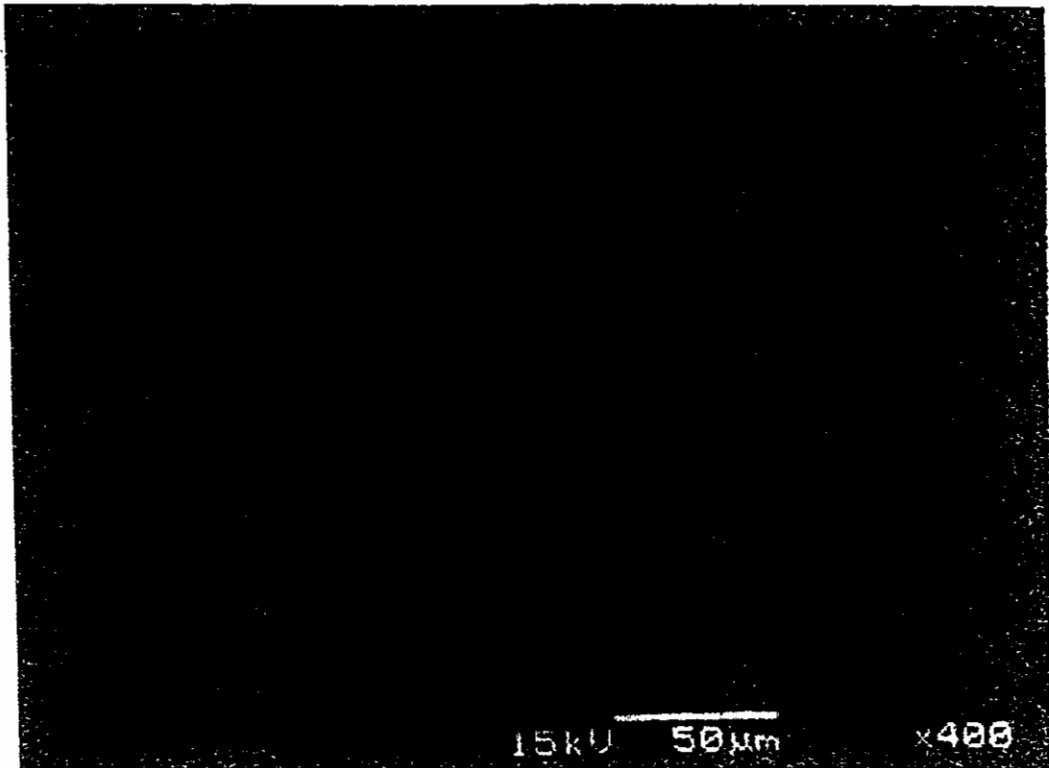


Figure 11. SEM backscattered image of the rapidly solidified Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B alloy.

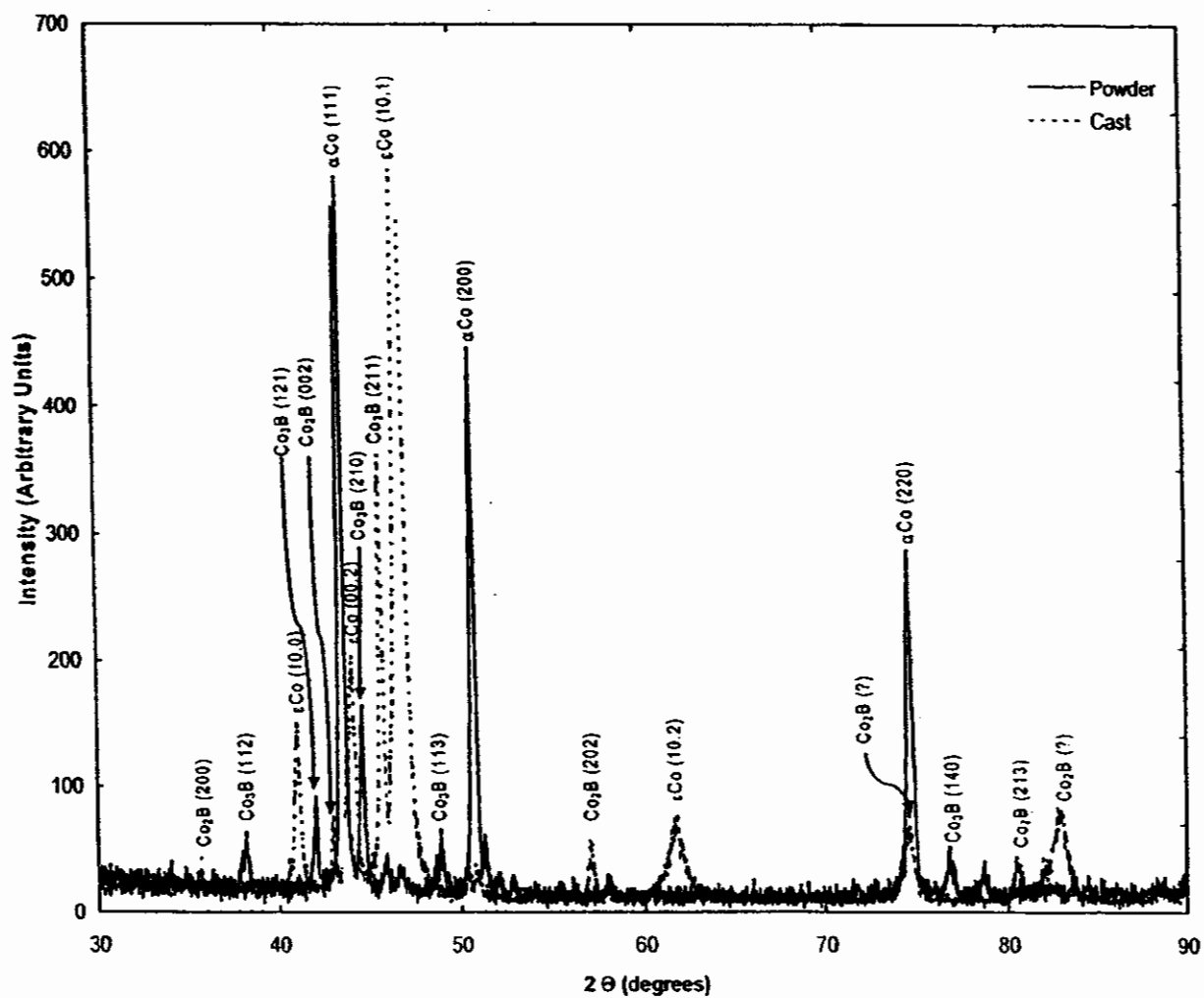
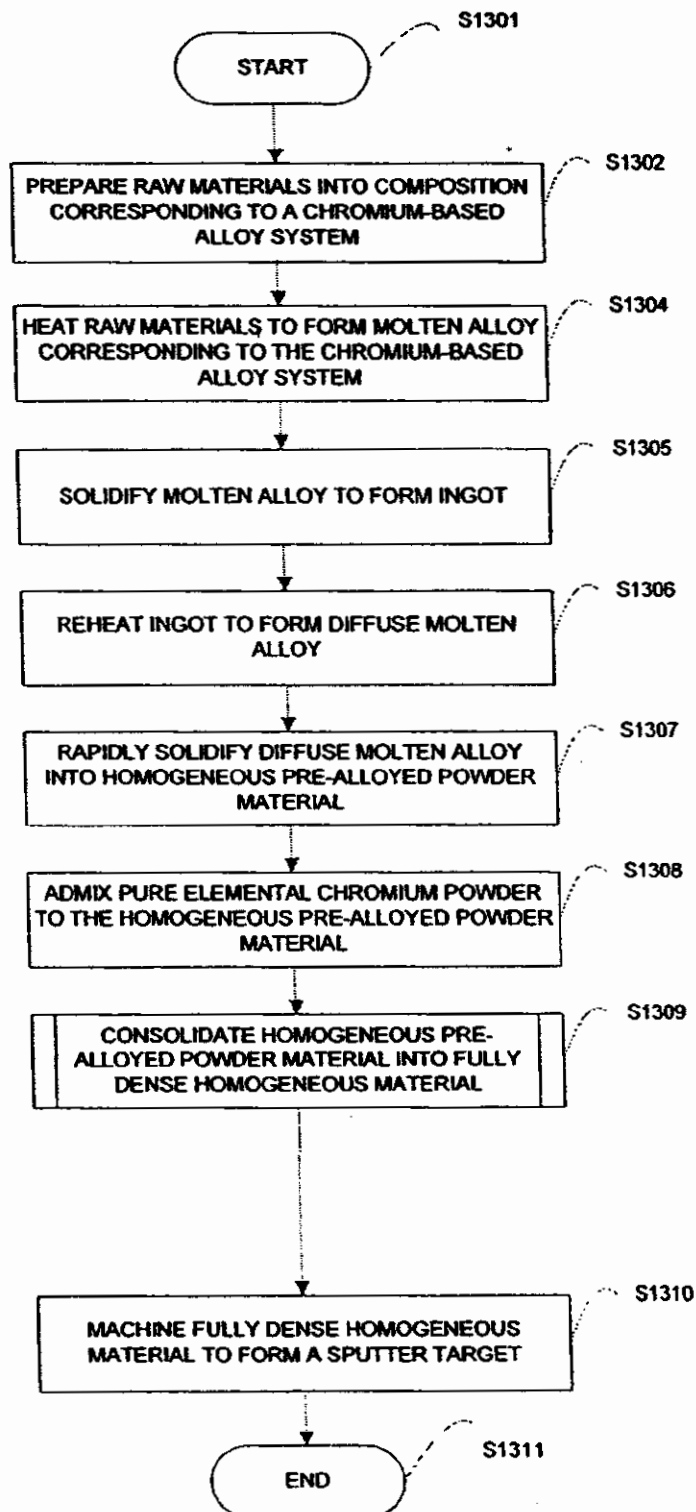
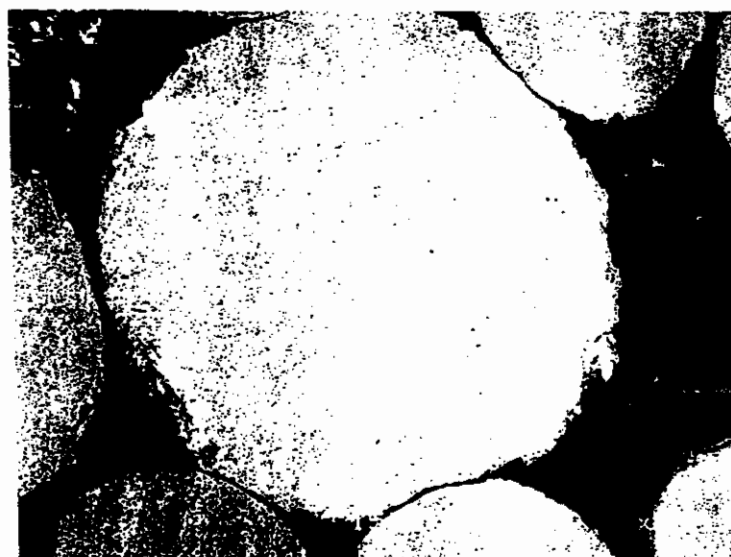


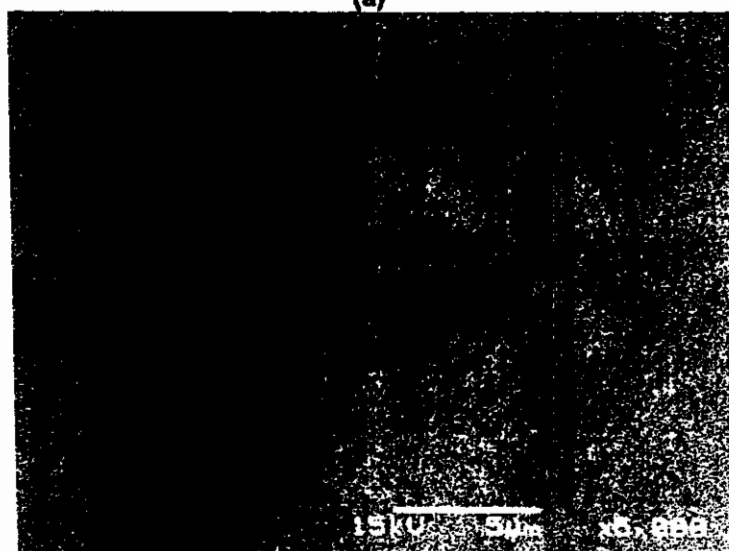
Figure 12. X-ray diffraction patterns of as-cast and rapidly solidified Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B

FIGURE 13





(a)



(b)

Figures 14A & 14B. SEM backscattered images of gas atomized Cr-(13.5 at.%)B; A: low magnification, B: high magnification

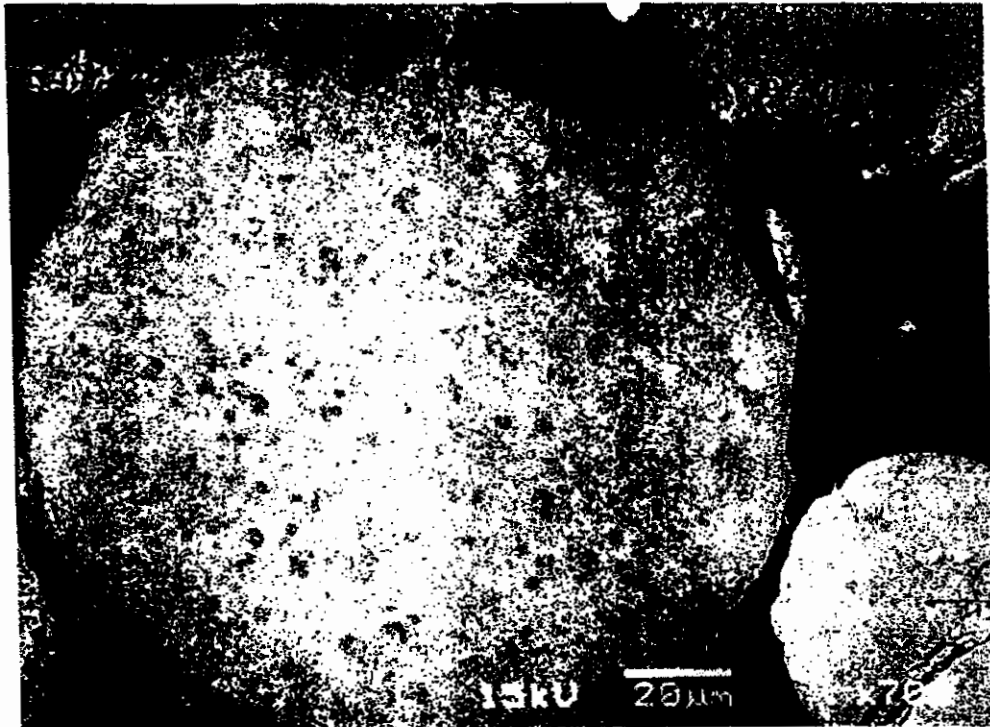
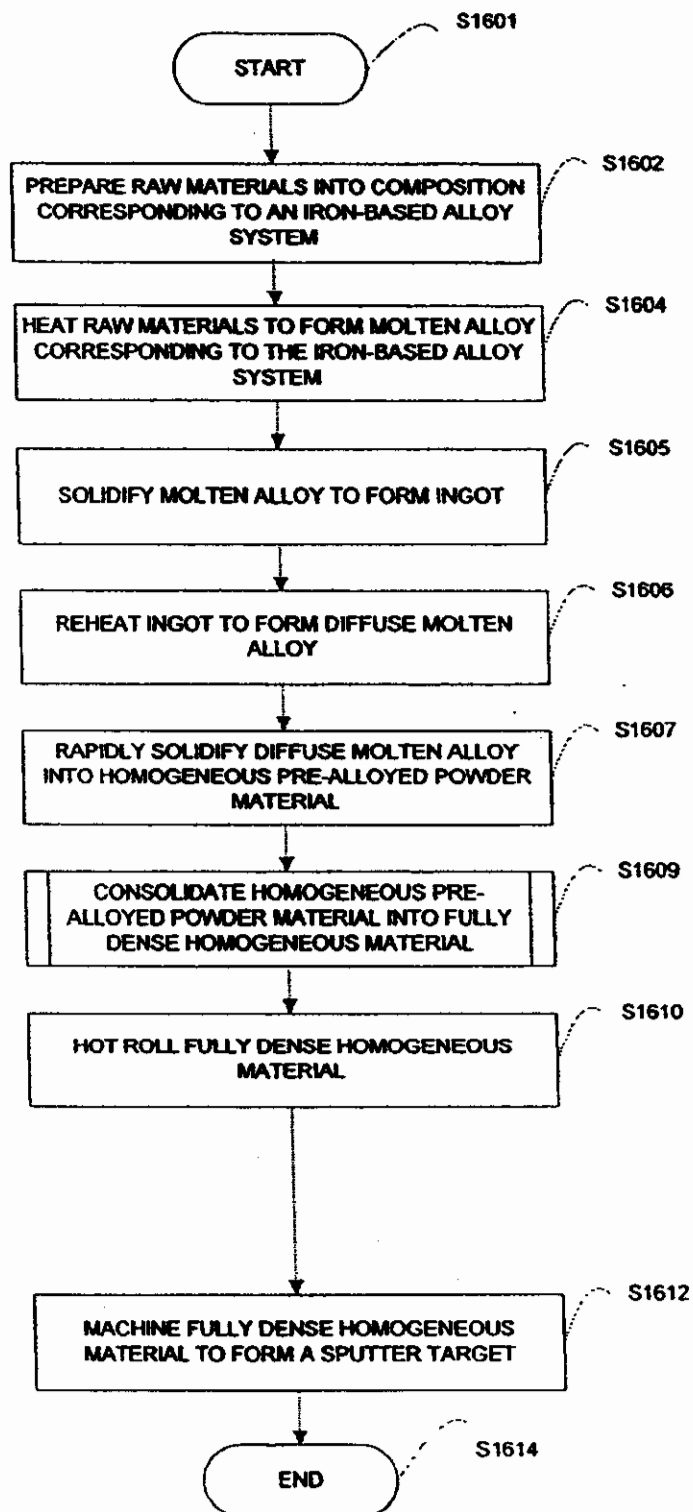


Figure 15. SEM backscattered image of gas atomized Cr-(14 at. %)C

FIGURE 16



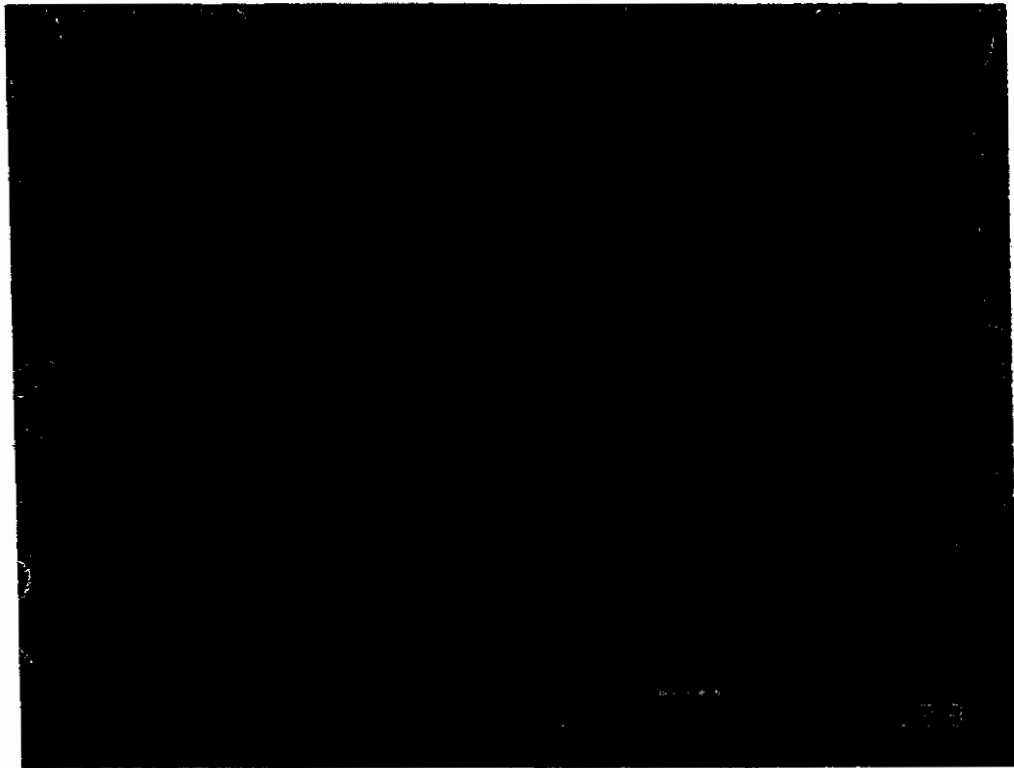


Figure 17. SEM secondary electron image of the as-cast Fe-(30.6 at. %)Co-(12.8 at. %)B alloy.

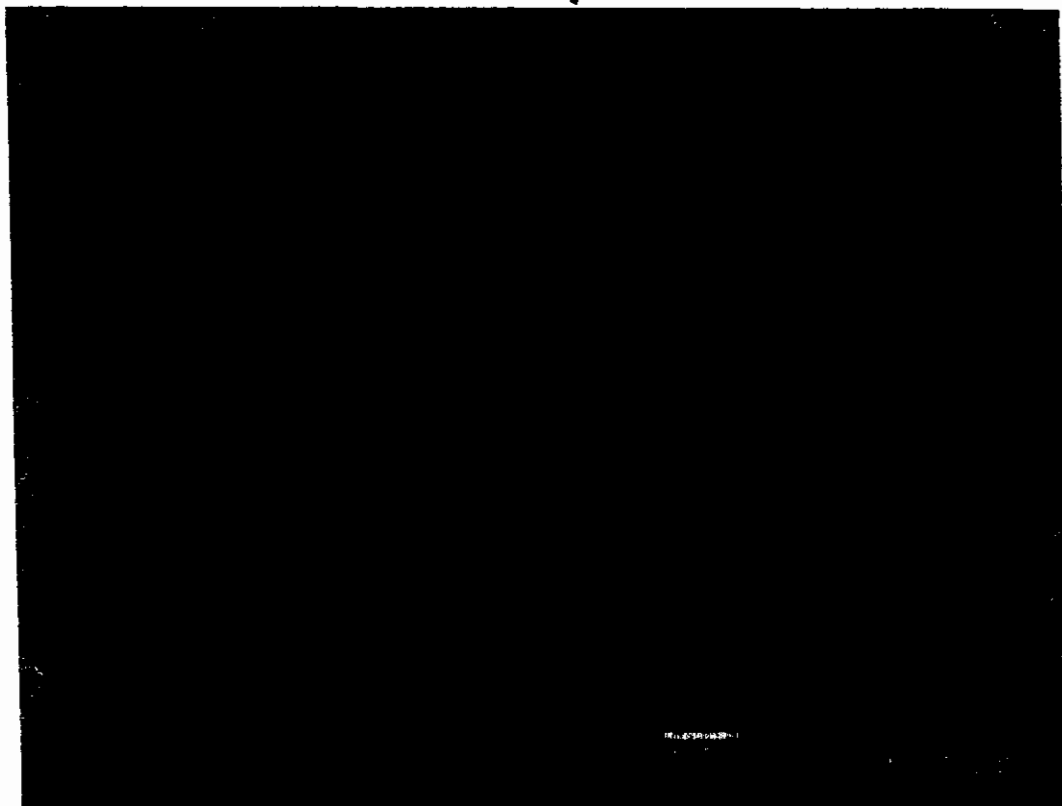


Figure 18. SEM secondary electron image of the rapidly solidified Fe-(30.6 at. %)Co-(12.8 at. %)B alloy.

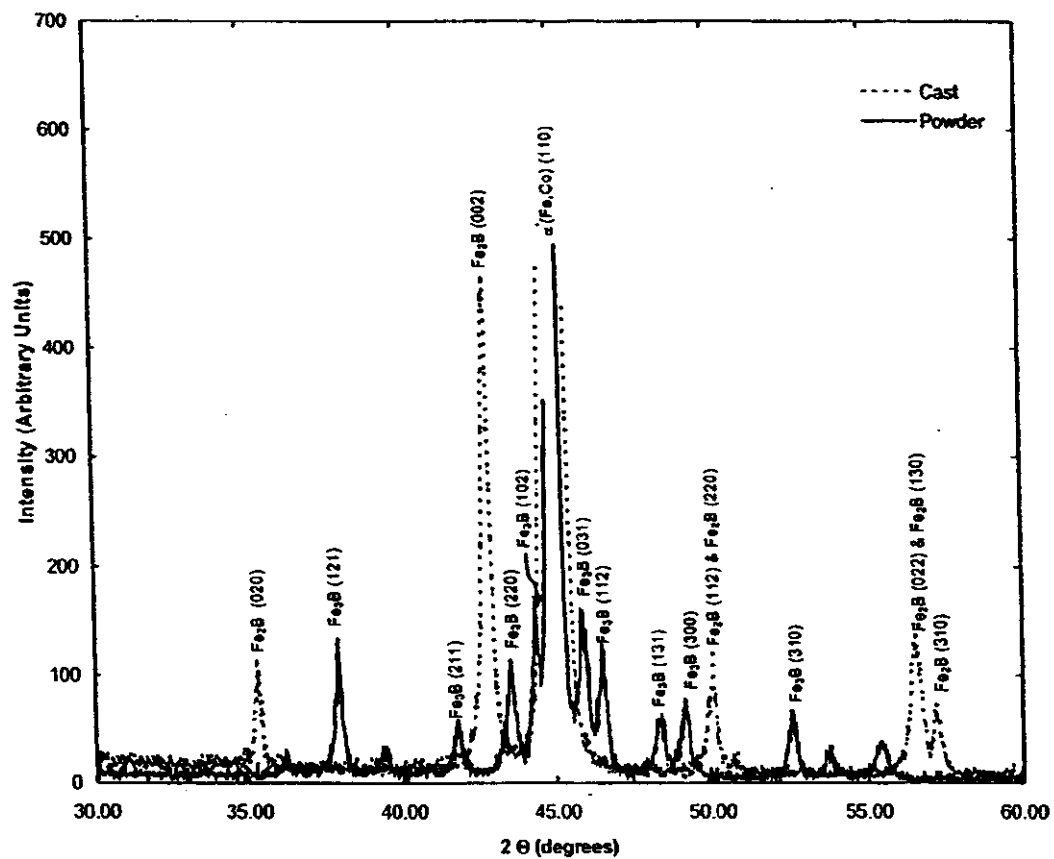
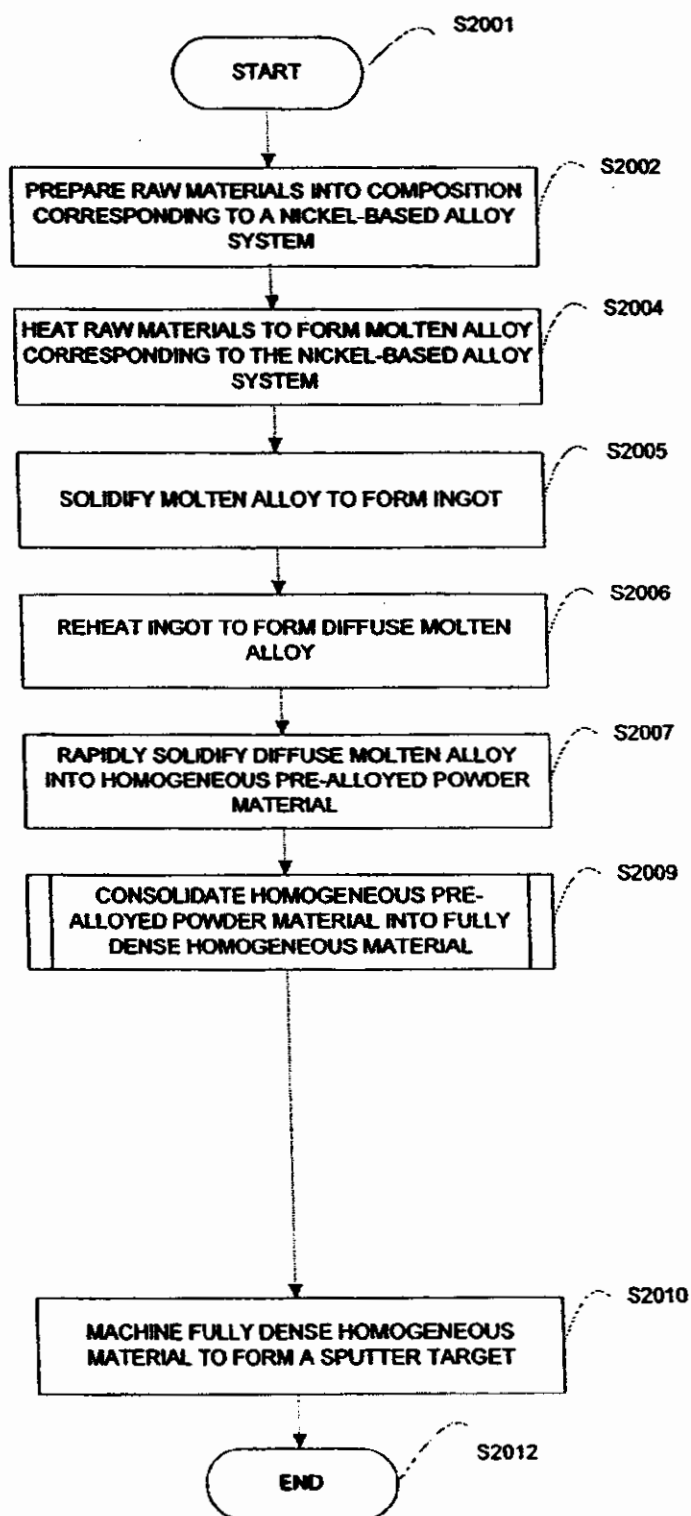


Figure 19. X-ray diffraction patterns of as-cast and rapidly solidified Fe-(30.6 at. %)Co – (12.8 at. %)B

FIGURE 20



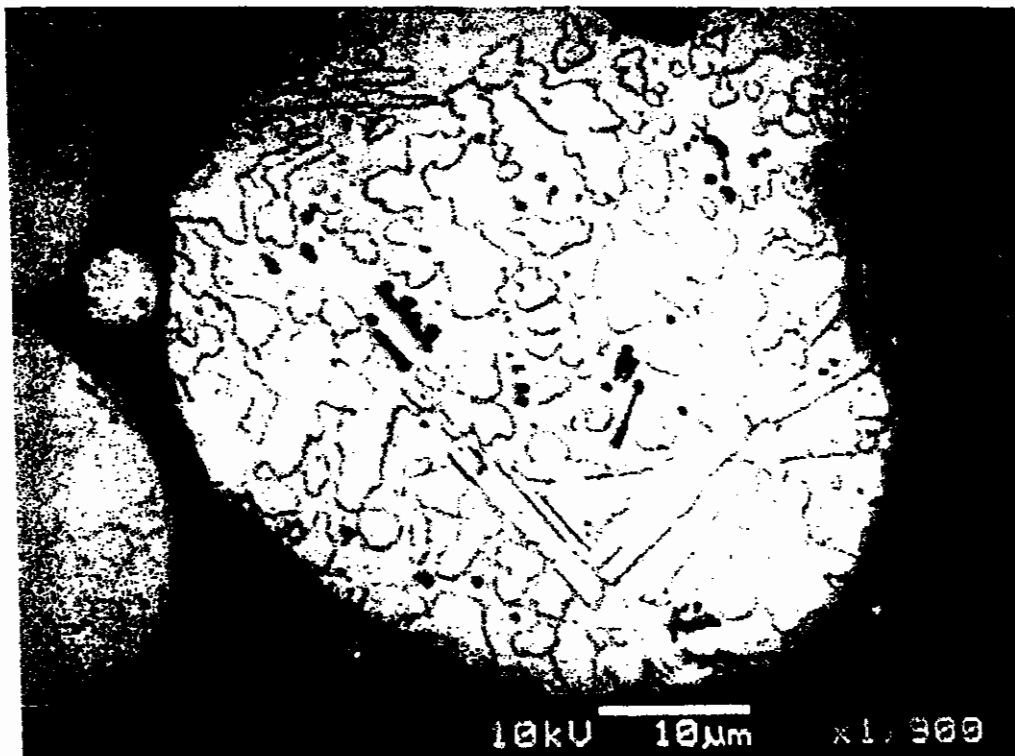


Figure 21. SEM secondary electron image of gas atomized Ni-(20 at. %)P