

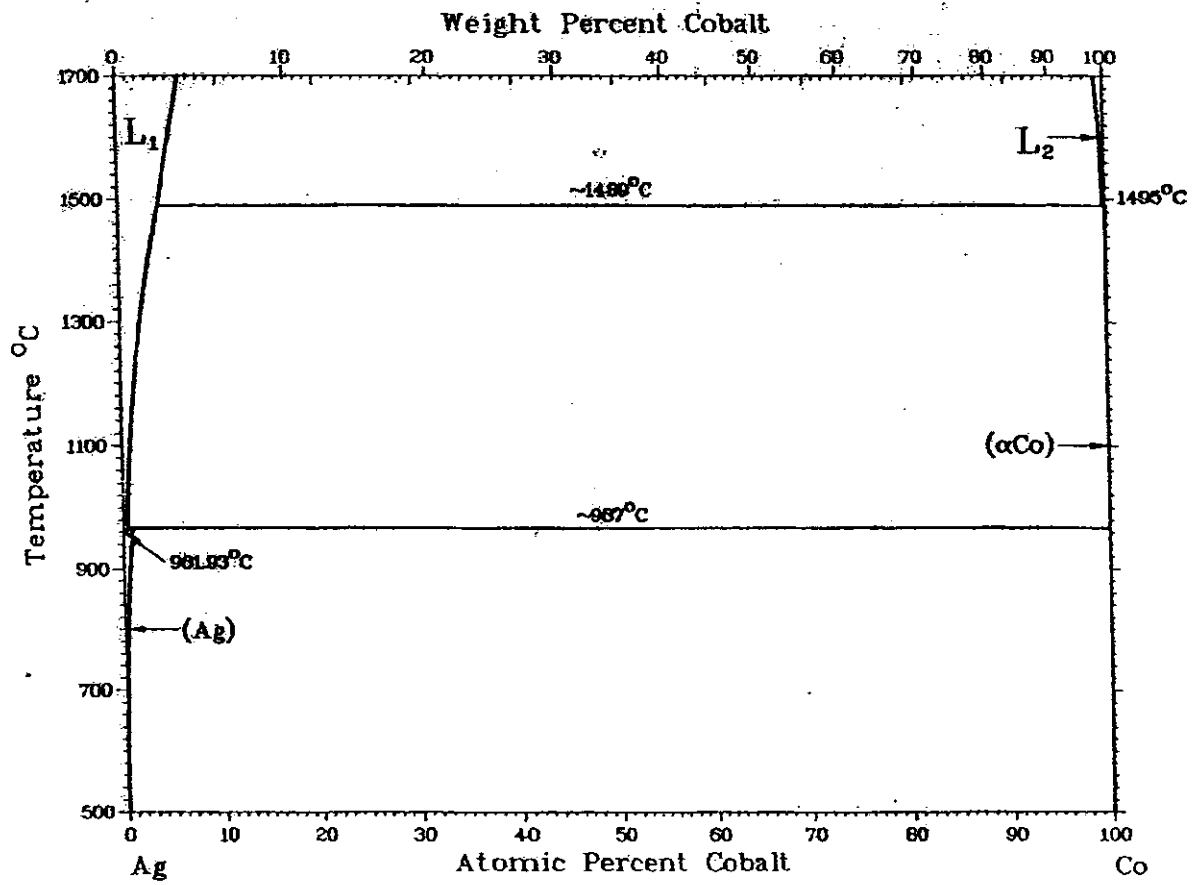


Figure 1. Ag-Co phase diagram.

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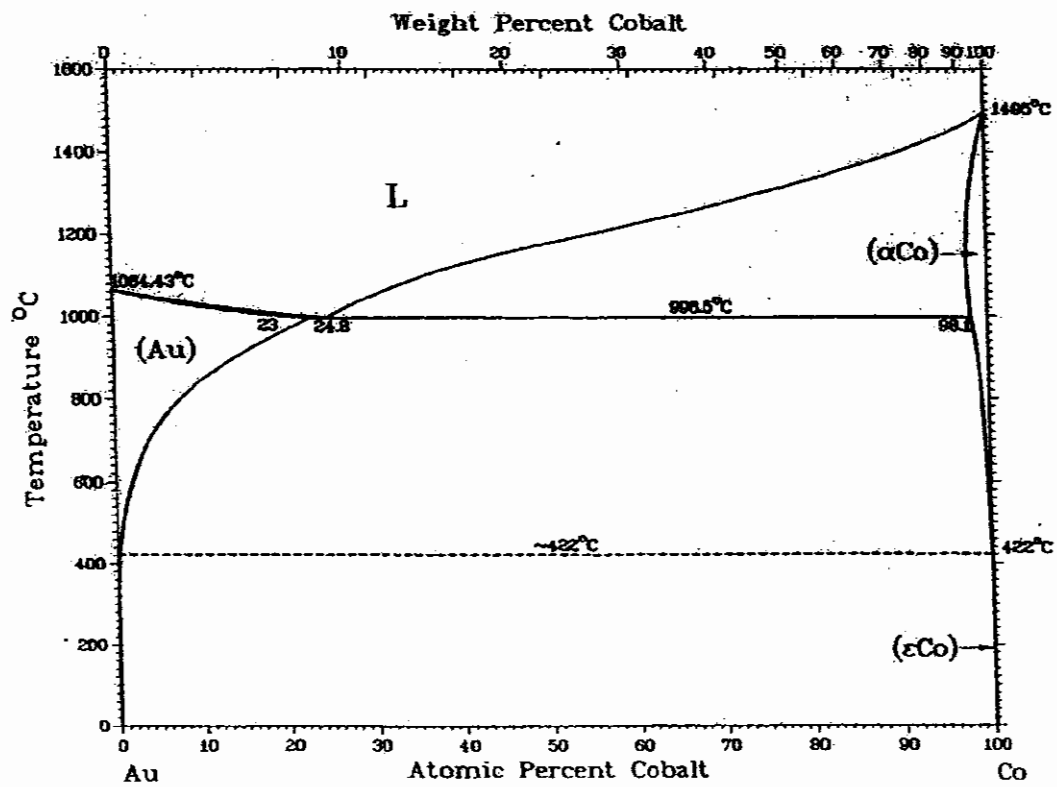


Figure 2. Au-Co phase diagram

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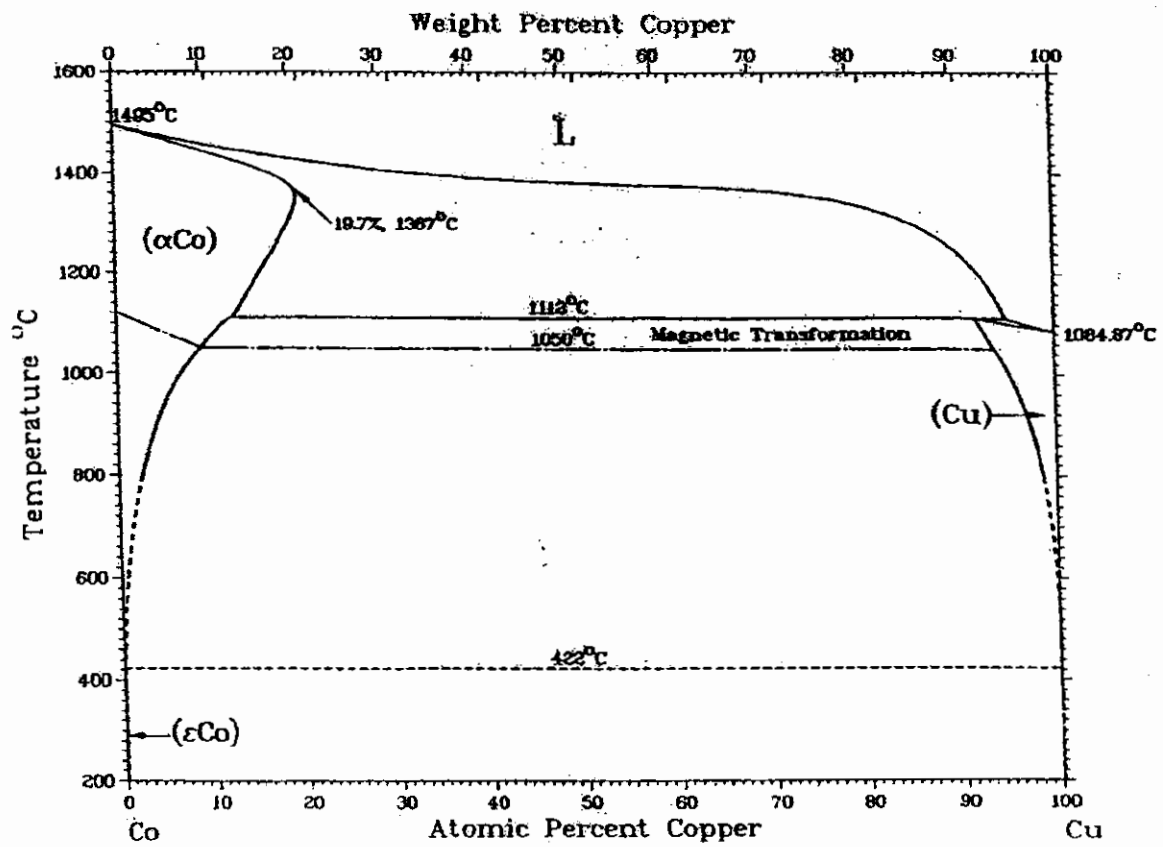


Figure 3. Co-Cu phase diagram

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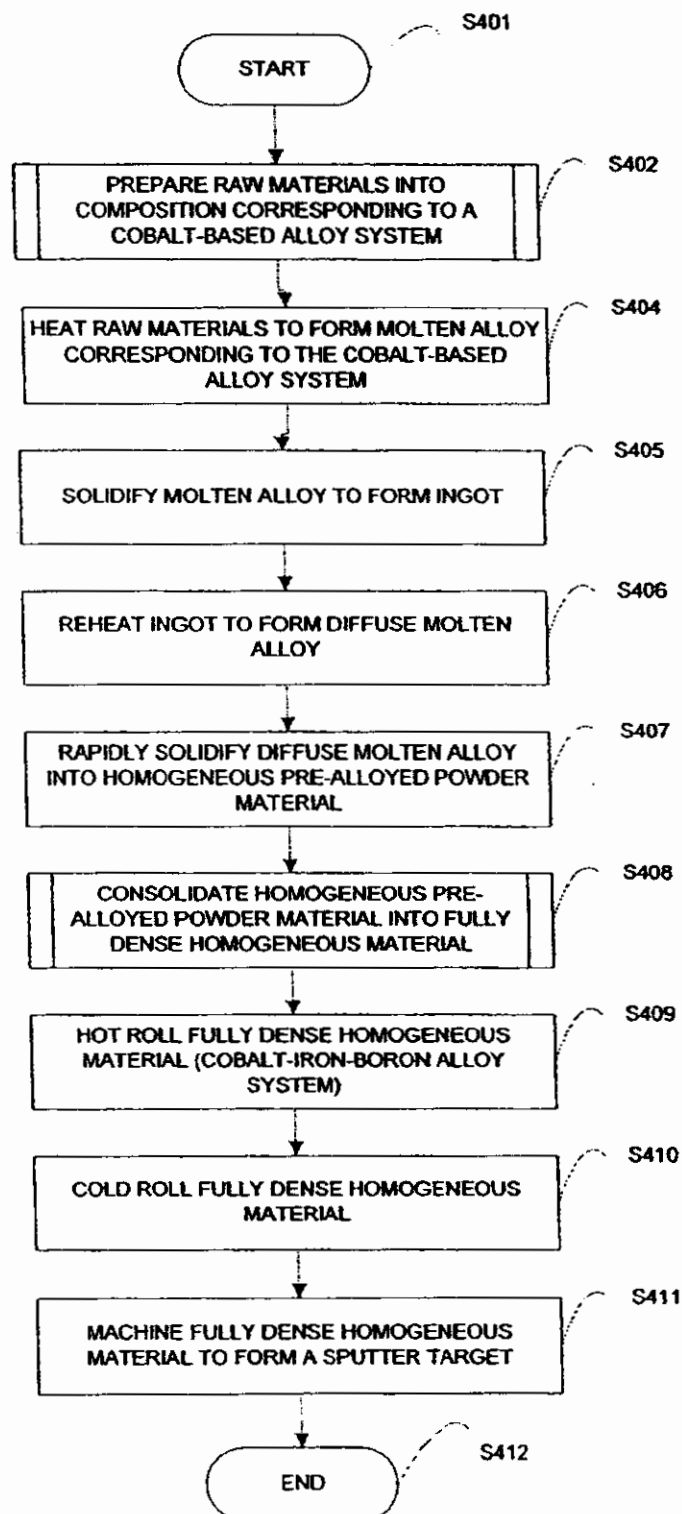
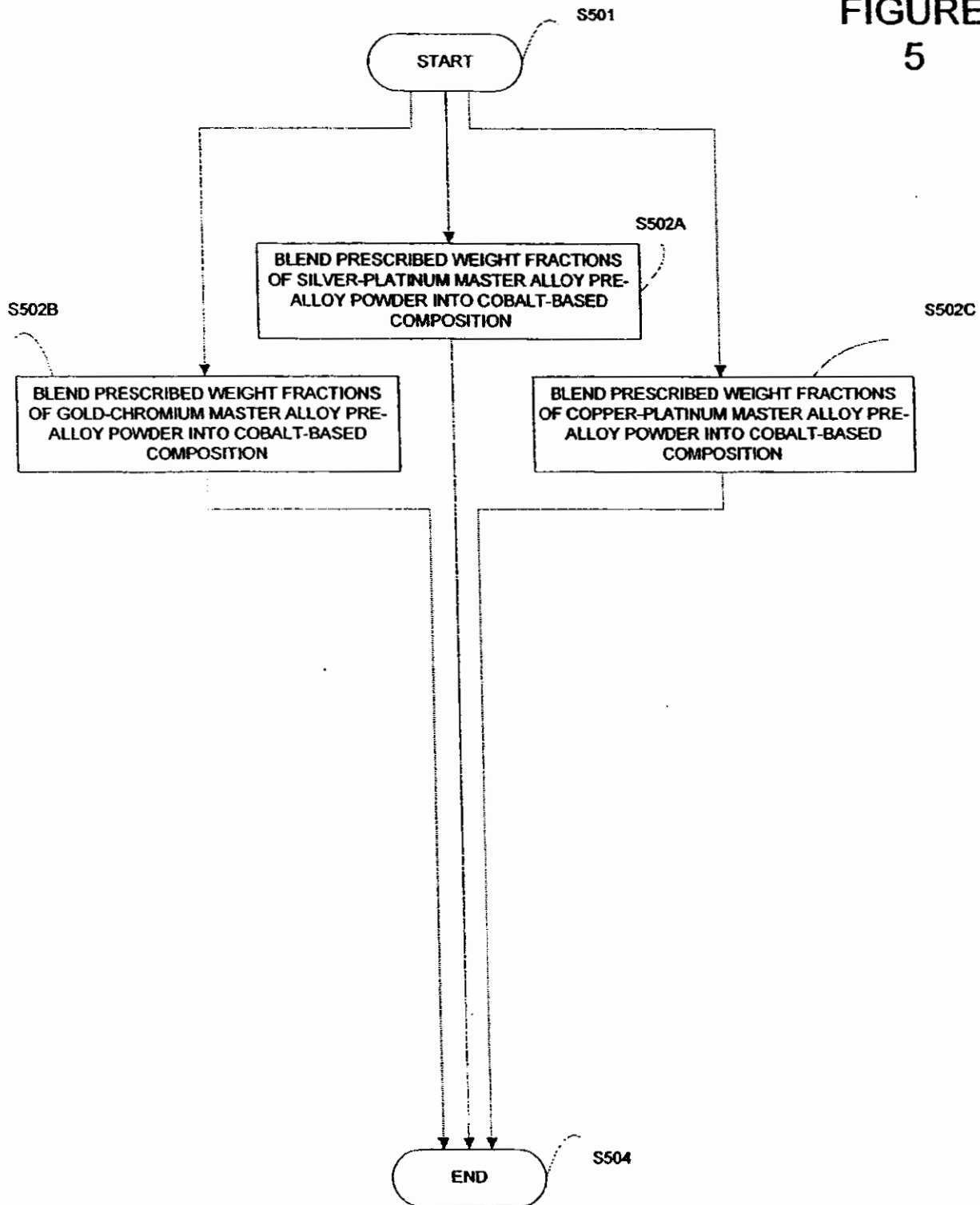


FIGURE 4

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FIGURE
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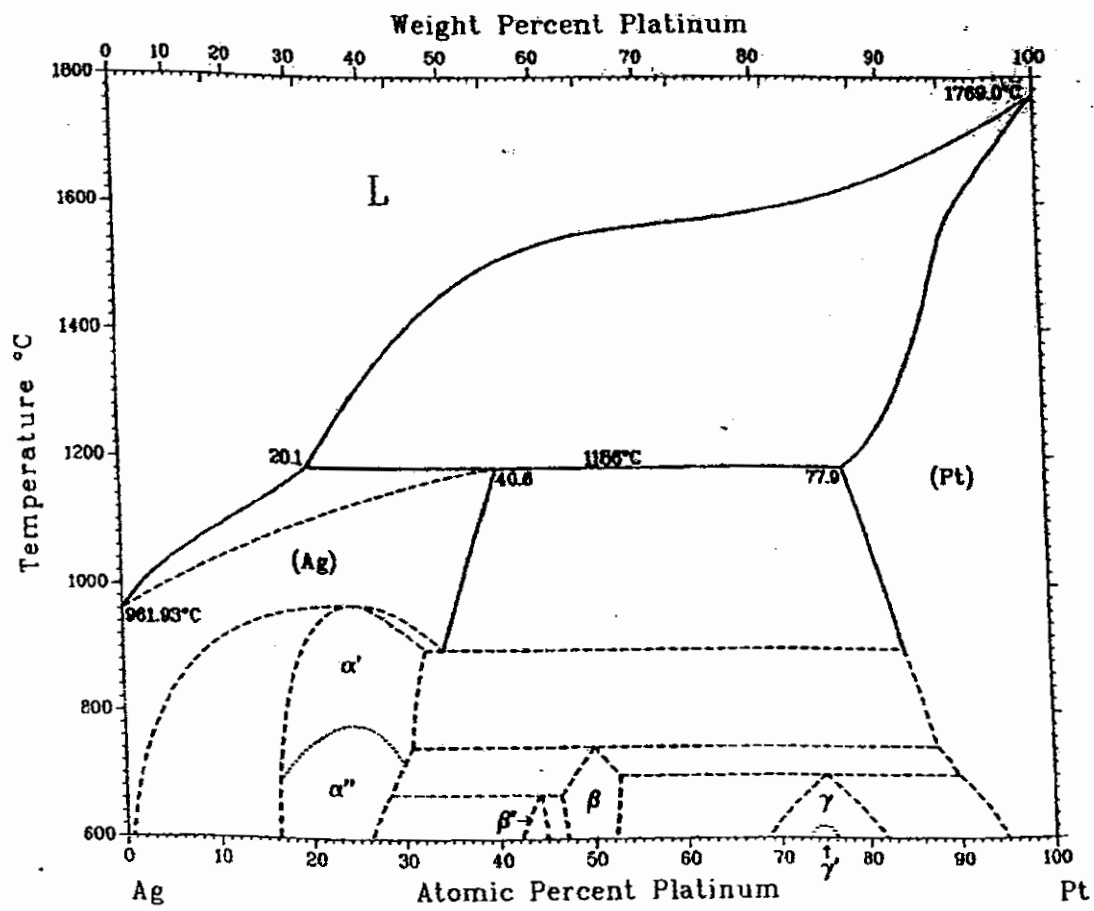


Figure 6. Ag-Pt phase diagram

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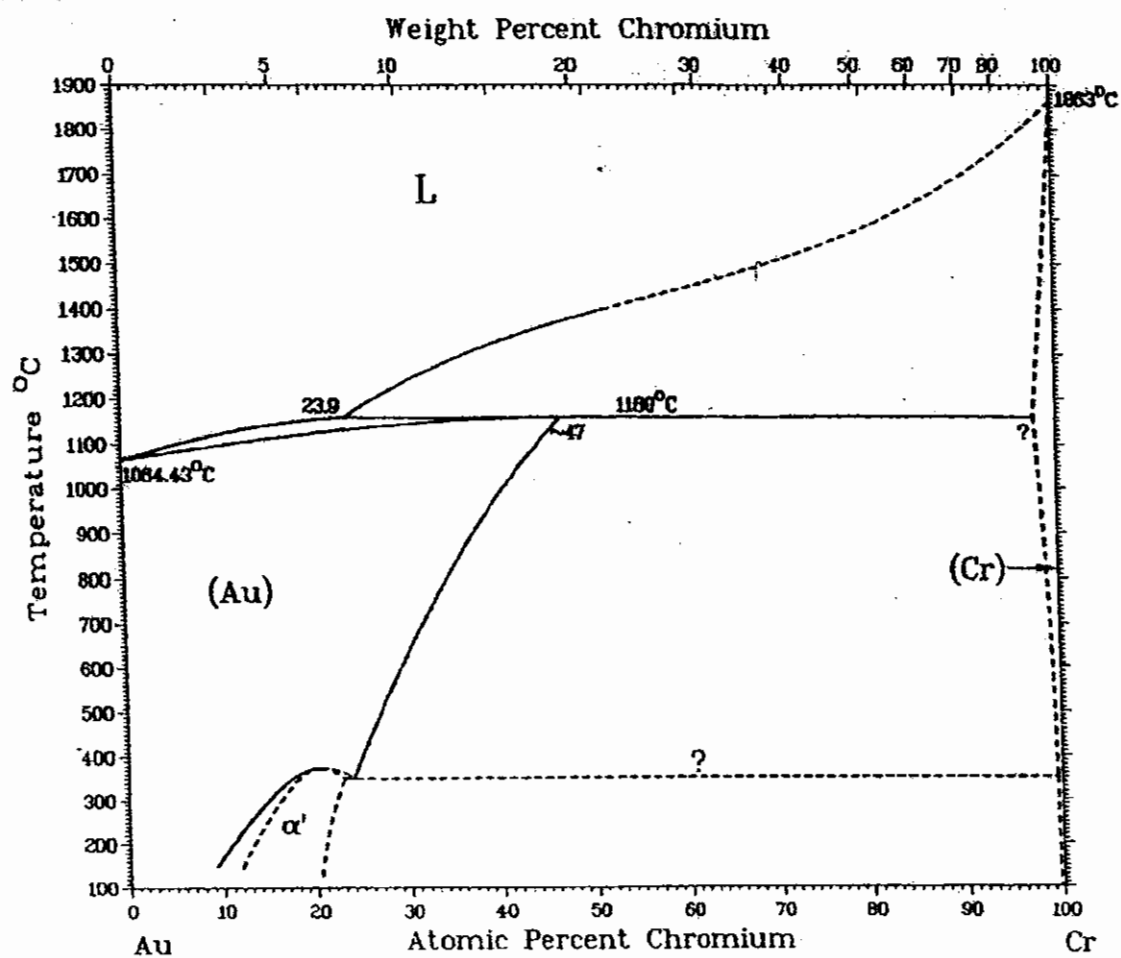


Figure 7. Au-Cr phase diagram

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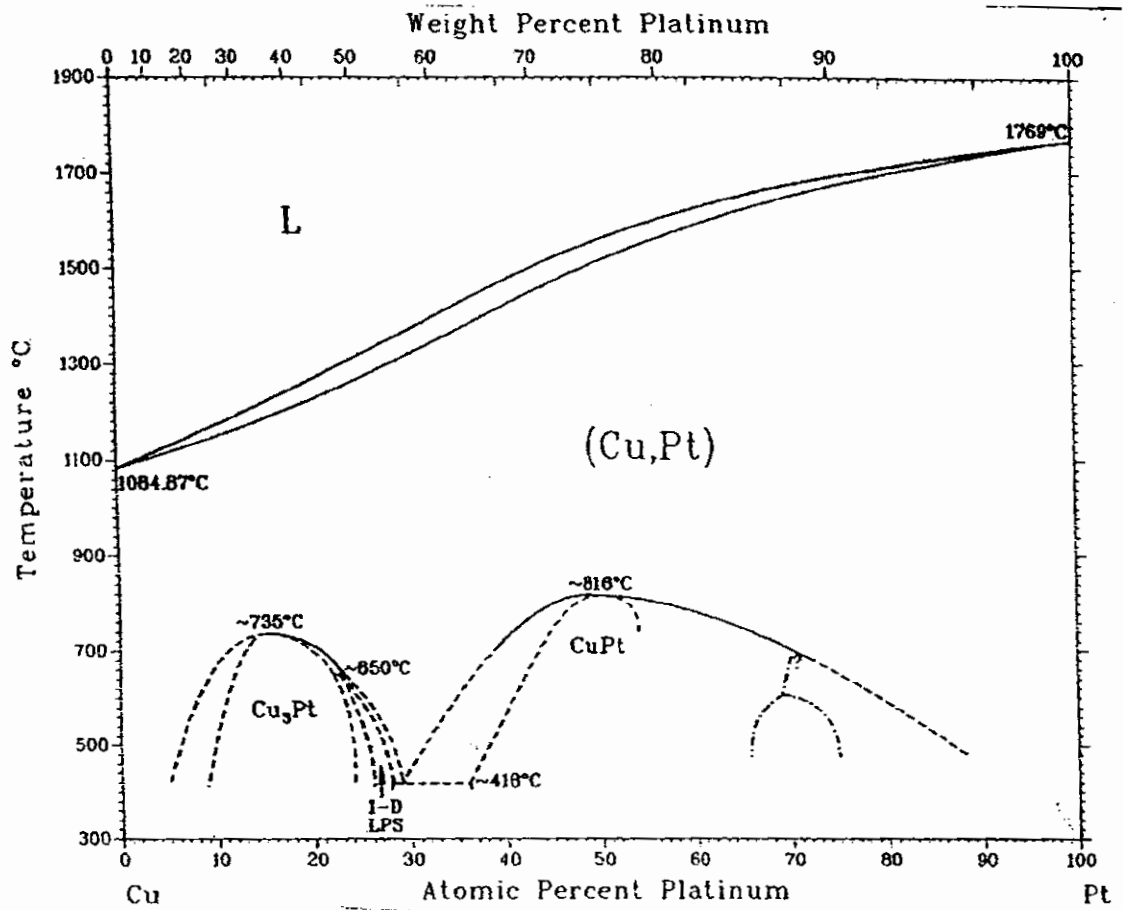


Figure 8. Cu-Pt phase diagram

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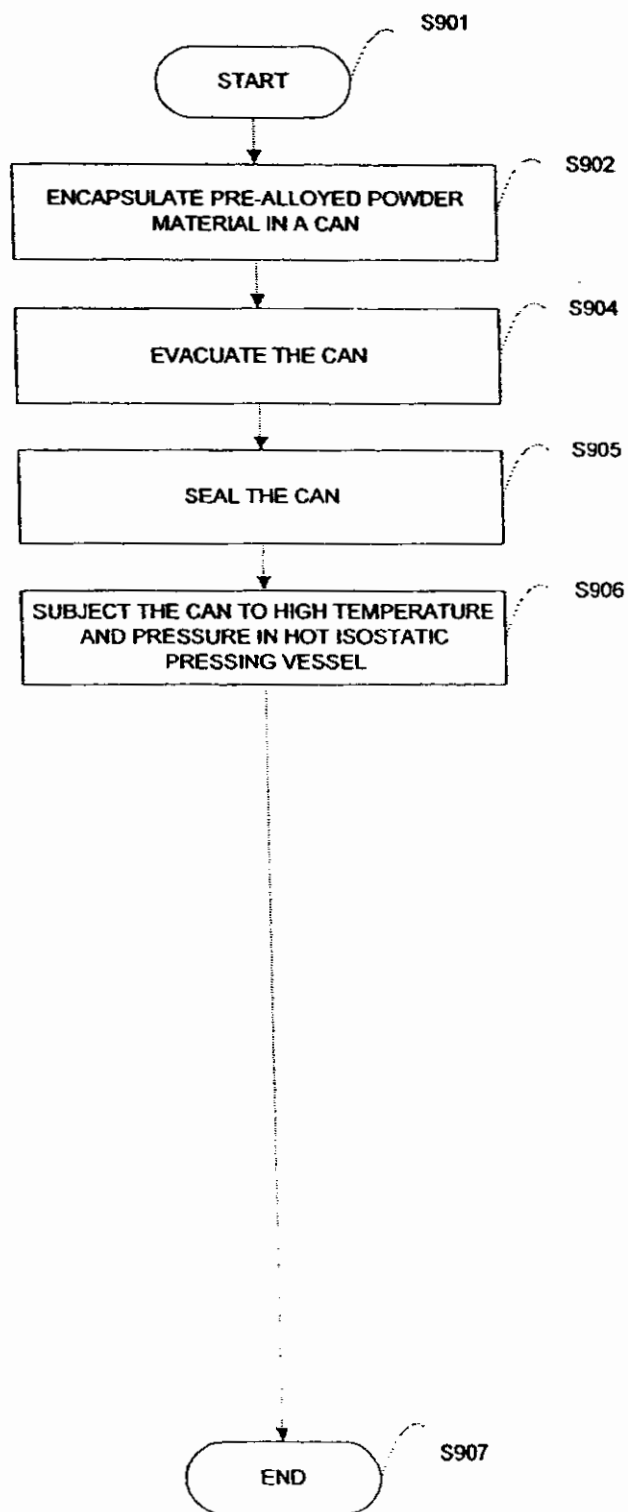


FIGURE 9

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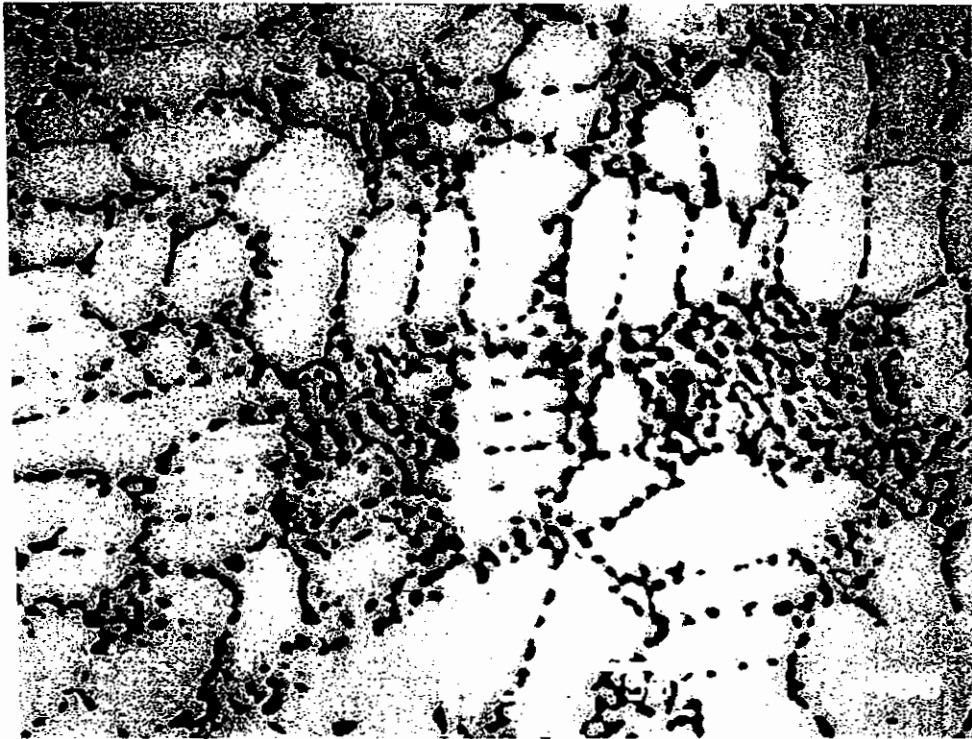


Figure 10. SEM backscattered image of the as-cast Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B alloy.

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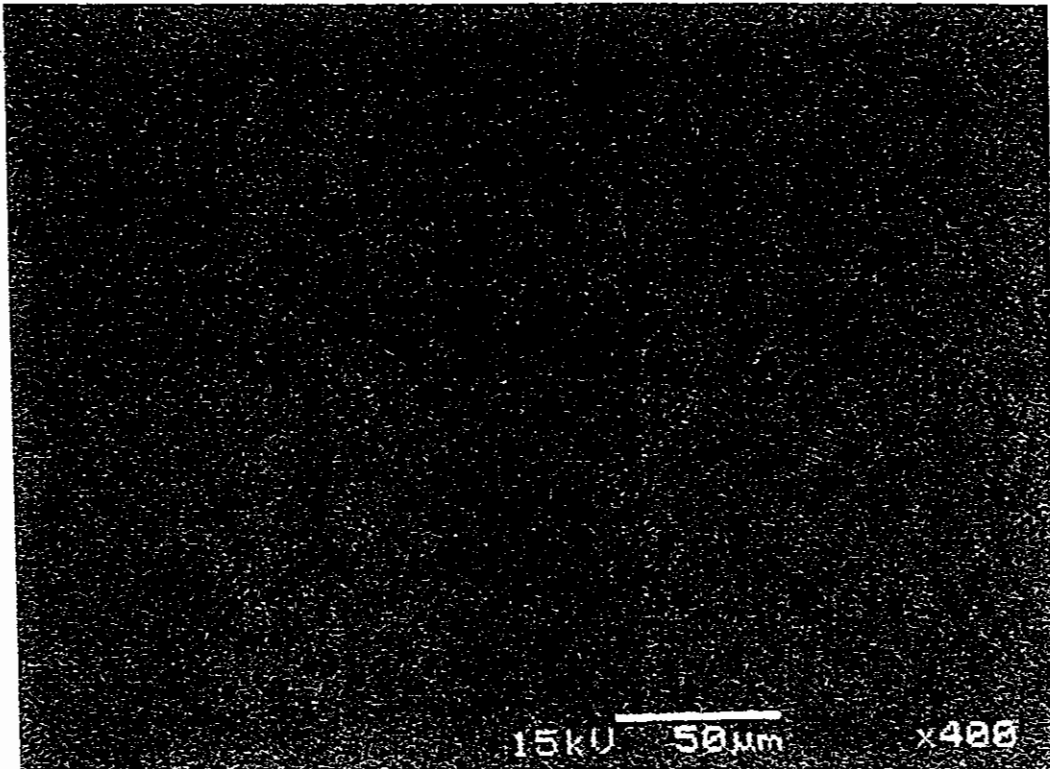


Figure 11. SEM backscattered image of the rapidly solidified Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B alloy.

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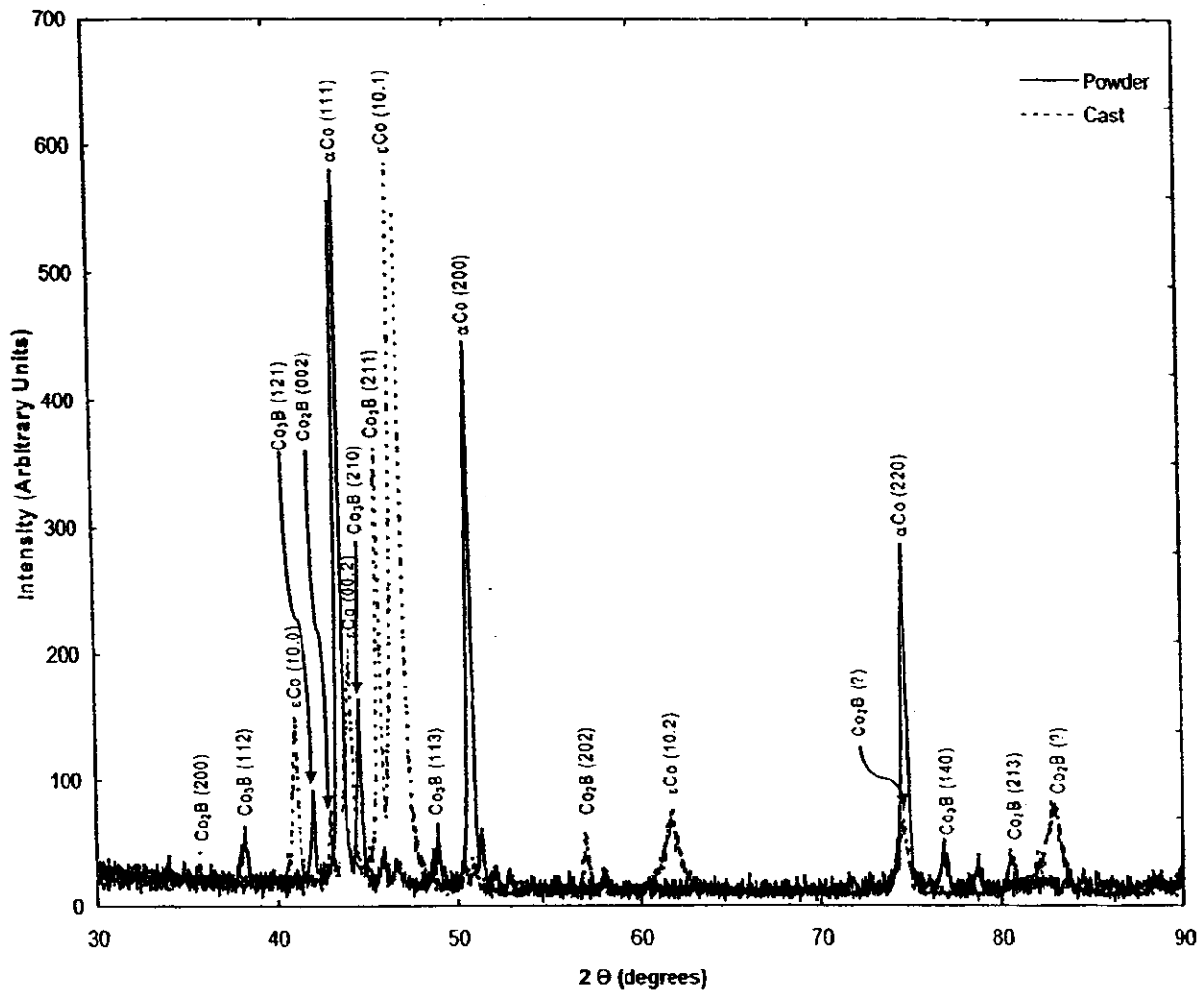
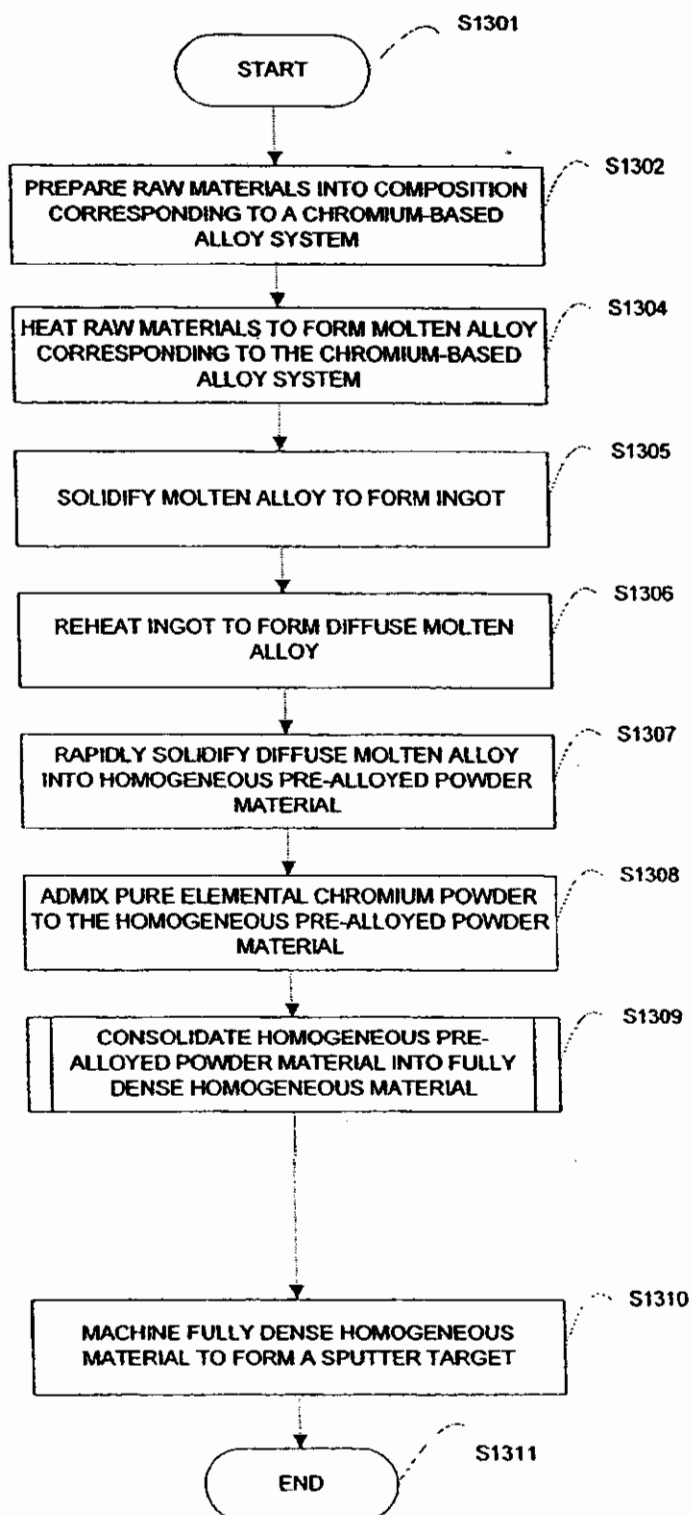


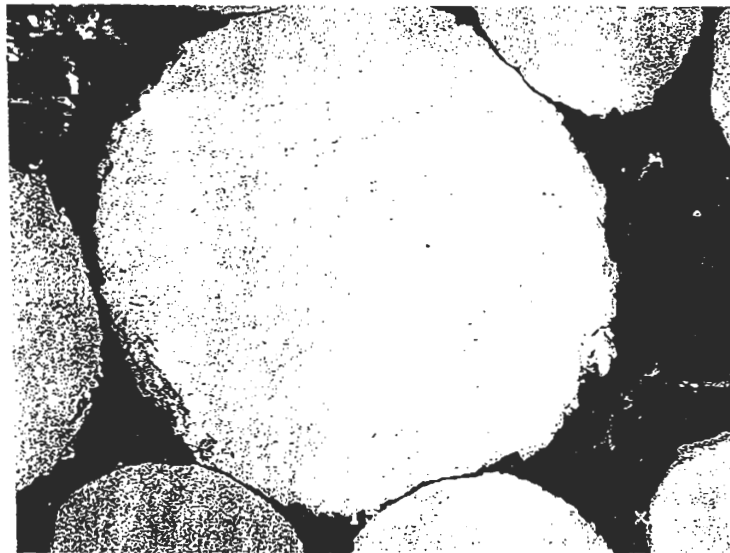
Figure 12. X-ray diffraction patterns of as-cast and rapidly solidified Co-(8 at. %)Cr-(7 at. %)Pt-(8 at. %)B

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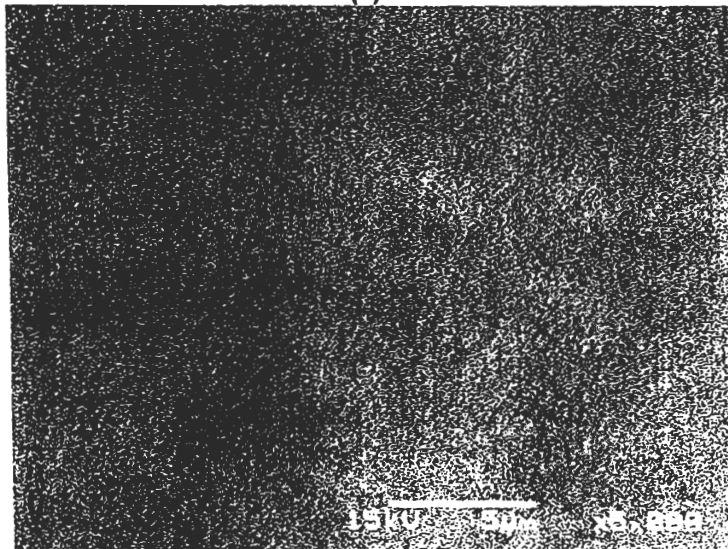
FIGURE 13



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(a)



(b)

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

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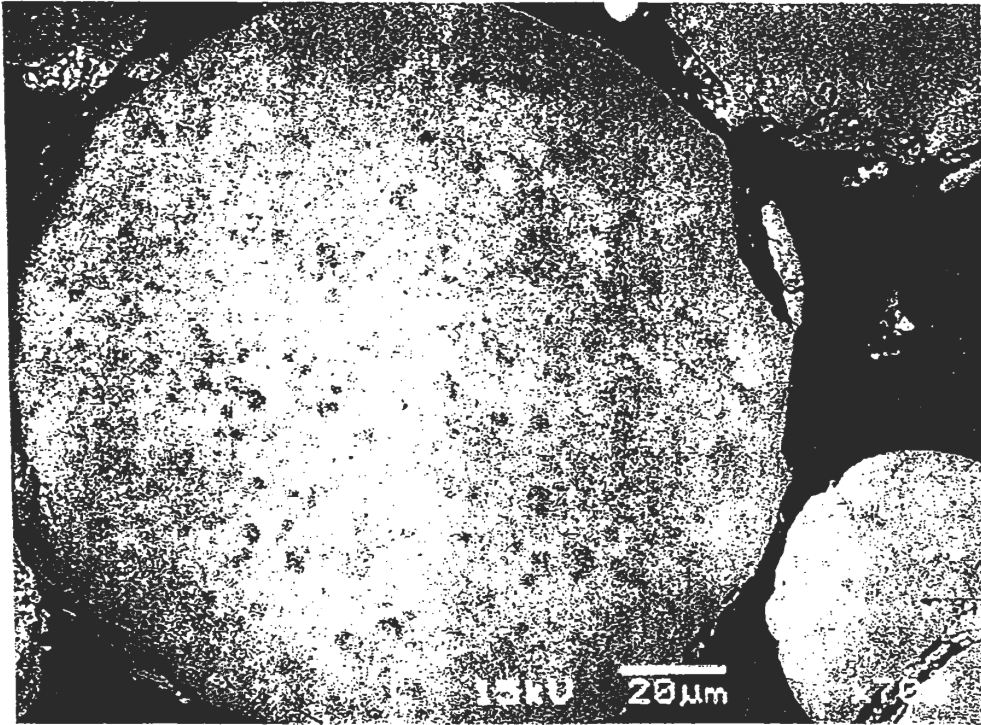
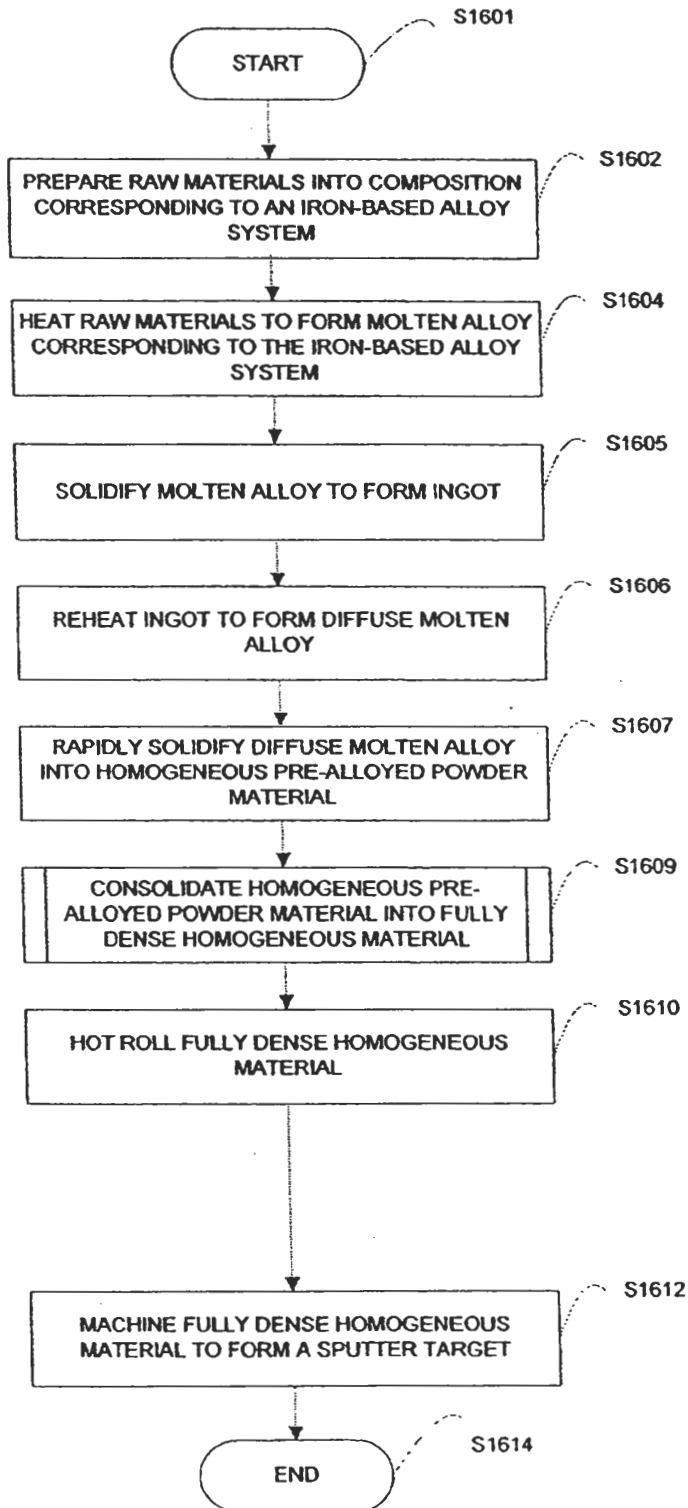


Figure 15. SEM backscattered image of gas atomized Cr-(14 at. %)C

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FIGURE 16



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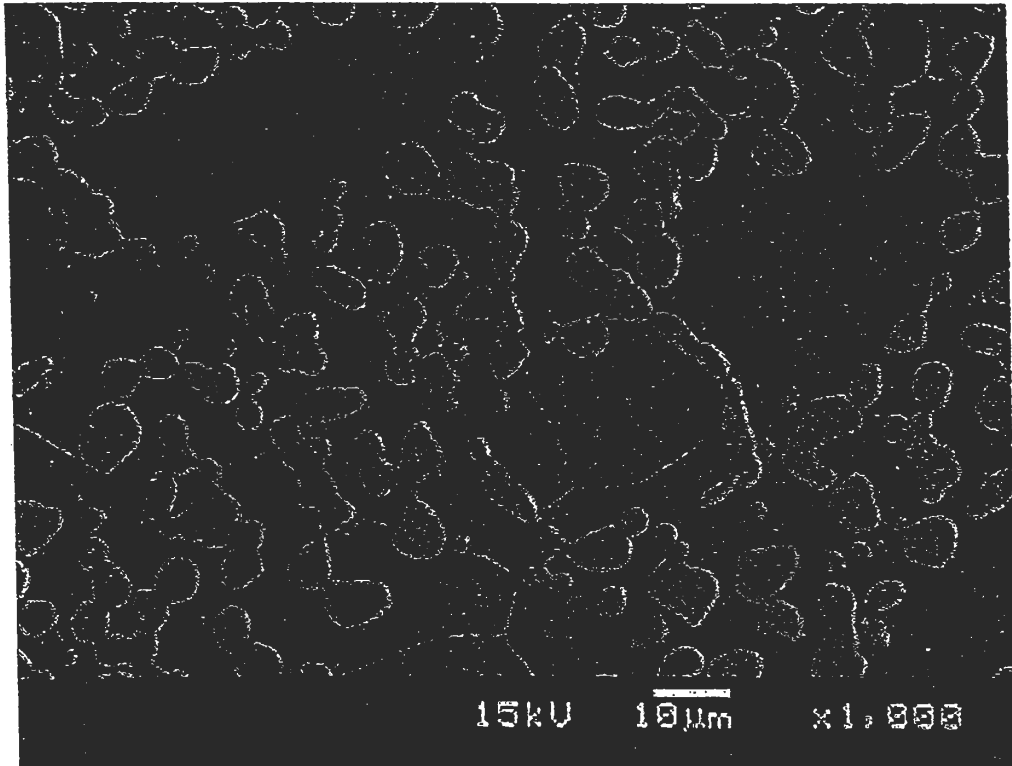


Figure 17. SEM secondary electron image of the as-cast Fe-(30.6 at. %)Co-(12.8 at. %)B alloy.

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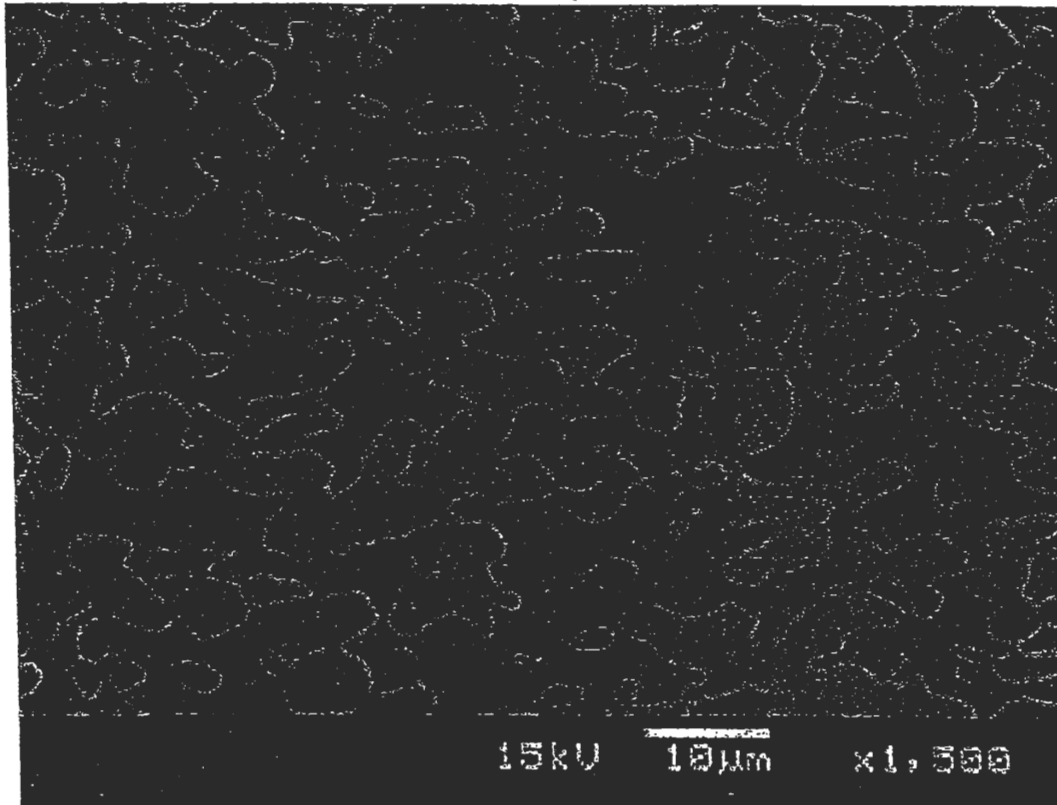


Figure 18. SEM secondary electron image of the rapidly solidified Fe-(30.6 at. %)Co-(12.8 at. %)B alloy.

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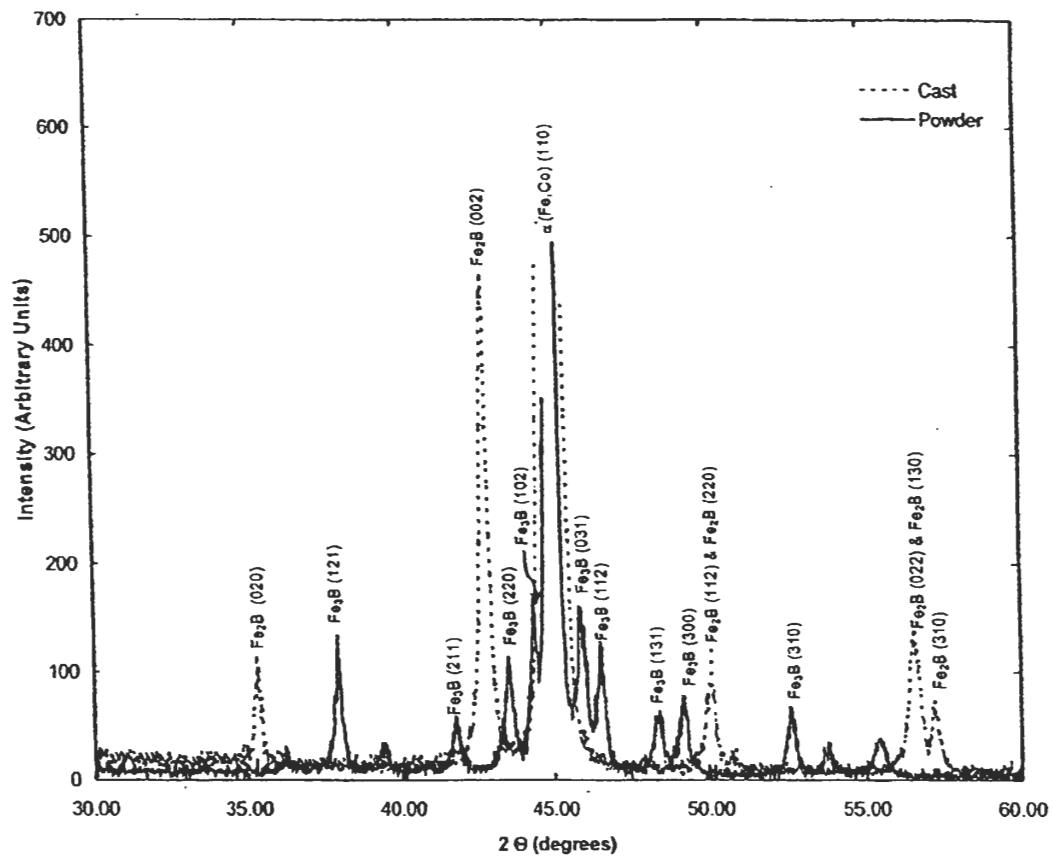
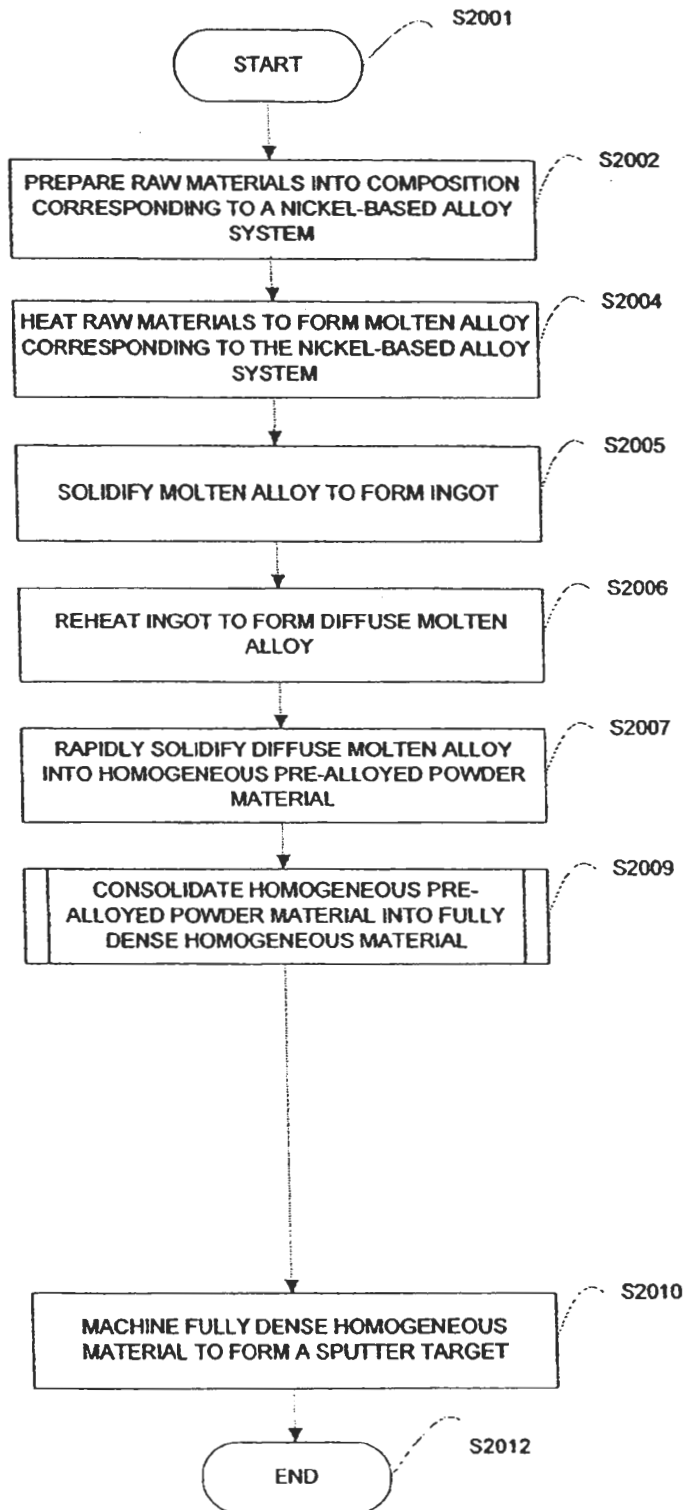


Figure 19. X-ray diffraction patterns of as-cast and rapidly solidified Fe-(30.6 at. %)Co – (12.8 at. %)B

FIGURE 20



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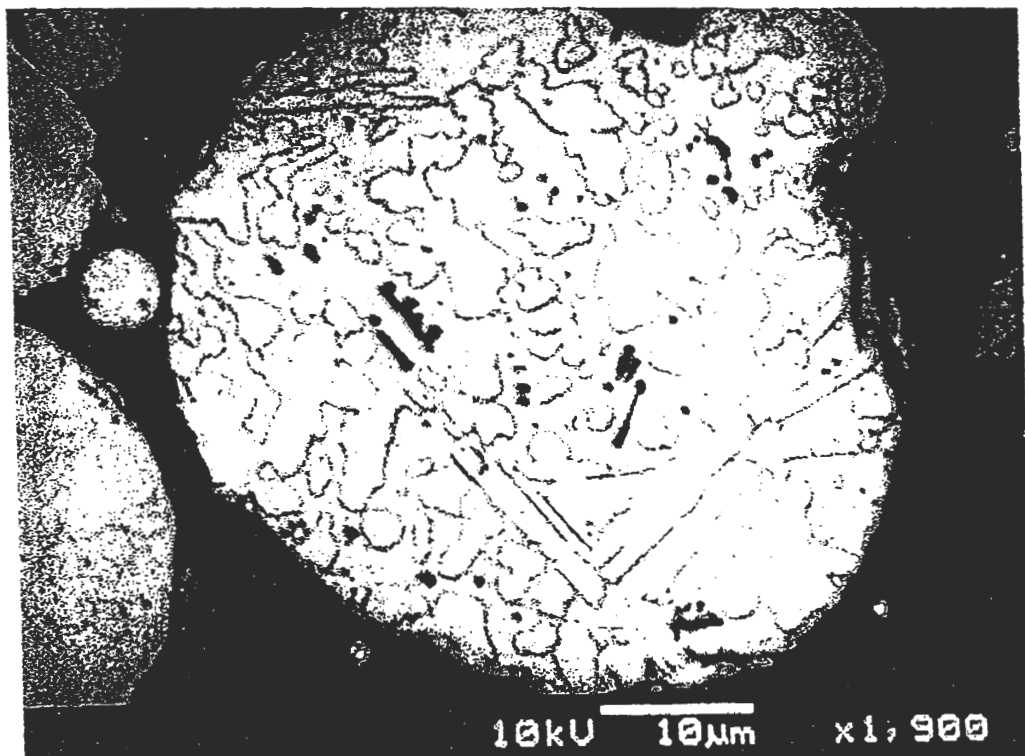


Figure 21. SEM secondary electron image of gas atomized Ni-(20 at. %)P