Appendix - 2



FIG. 1_

X ray diffraction pattern for (a) $BaCuO_2$ and (b) $Y_2Cu_2O_5.$



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60 0



Powder x-ray data as a function of temperature in air. The Pt peaks are from the strip heater and were used as an internal calibration.





FIG. 5

X-ray diffraction patterns for molten phases bred out during the calcination of $1/2Y_2O_3$, $2BaCO_3$, and 3CuO at 940 $^{\circ}C$ in air. BC: $BaCO_4$ (BaO_2+CO_2 , JCPDS CARDS #3-0659) C: CuO (JCPDS CARDS #5-0661)





