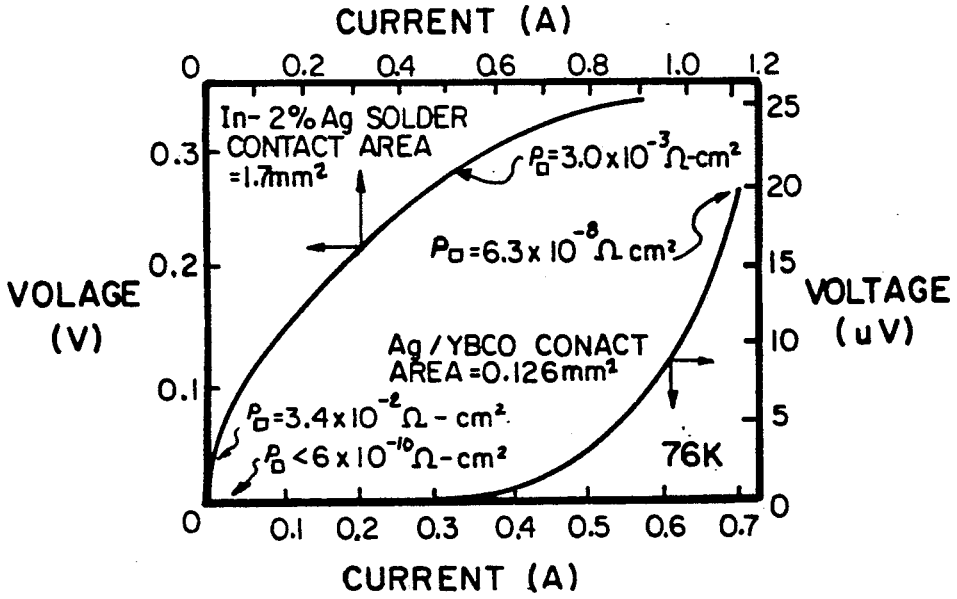
CURRENT (A)
0 0.2 0.4 0.6 0.8 1.0 1.2
In-2% Ag SOLDER
CONTACT AREA
=1.7mm²
ρ□=3.0x10⁻³Ω-cm²
ρ□=6.3x10⁻⁸Ω cm²
VOLAGE (V)
0.3
0.2
0.1
0
VOLTAGE (uV)
25
20
15
10
5
0
Ag/YBCO CONACT
AREA=0.126mm²
ρ□=3.4x10⁻²Ω-cm²
ρ□<6x10⁻¹⁰Ω-cm²
76K
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
CURRENT (A)

Fig_1

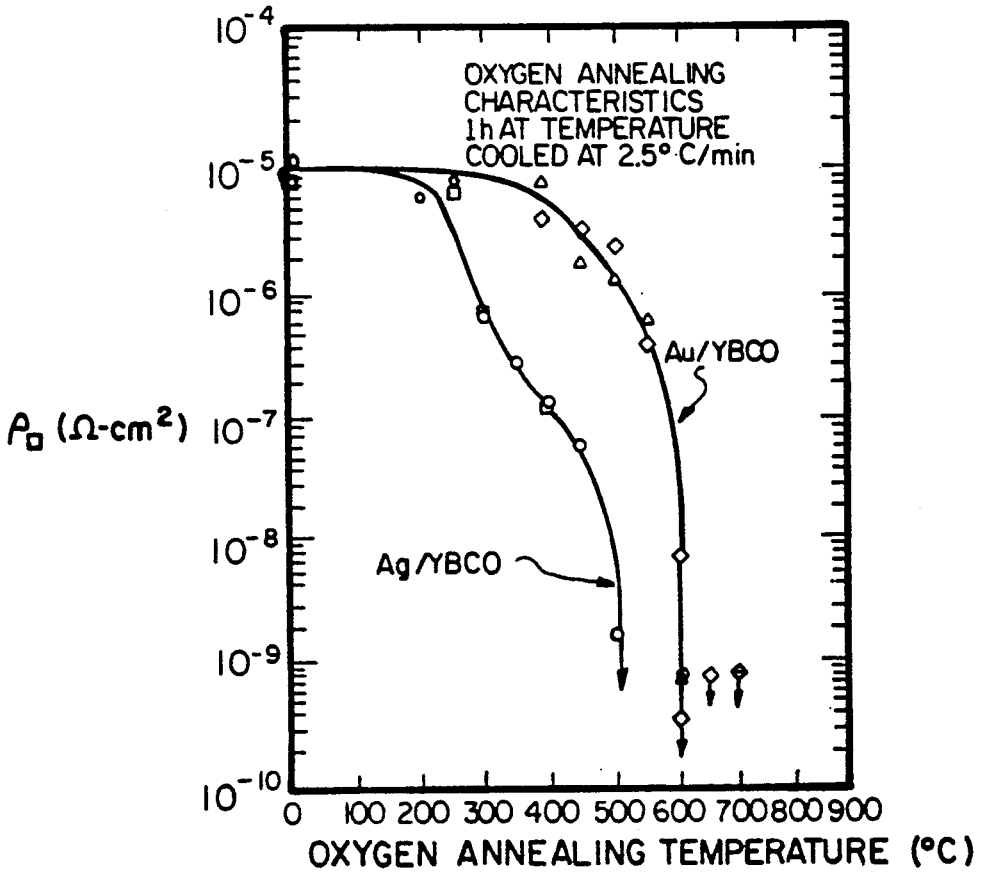
OXYGEN ANNEALING
CHARACTERISTICS
1h AT TEMPERATURE
COOLED AT 2.5° C/min
ρ□ (Ω-cm²)
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
10⁻⁹
10⁻¹⁰
Au/YBCO
Ag/YBCO
0 100 200 300 400 500 600 700 800 900
OXYGEN ANNEALING TEMPERATURE (°C)

Fig_2