FIG. 1.

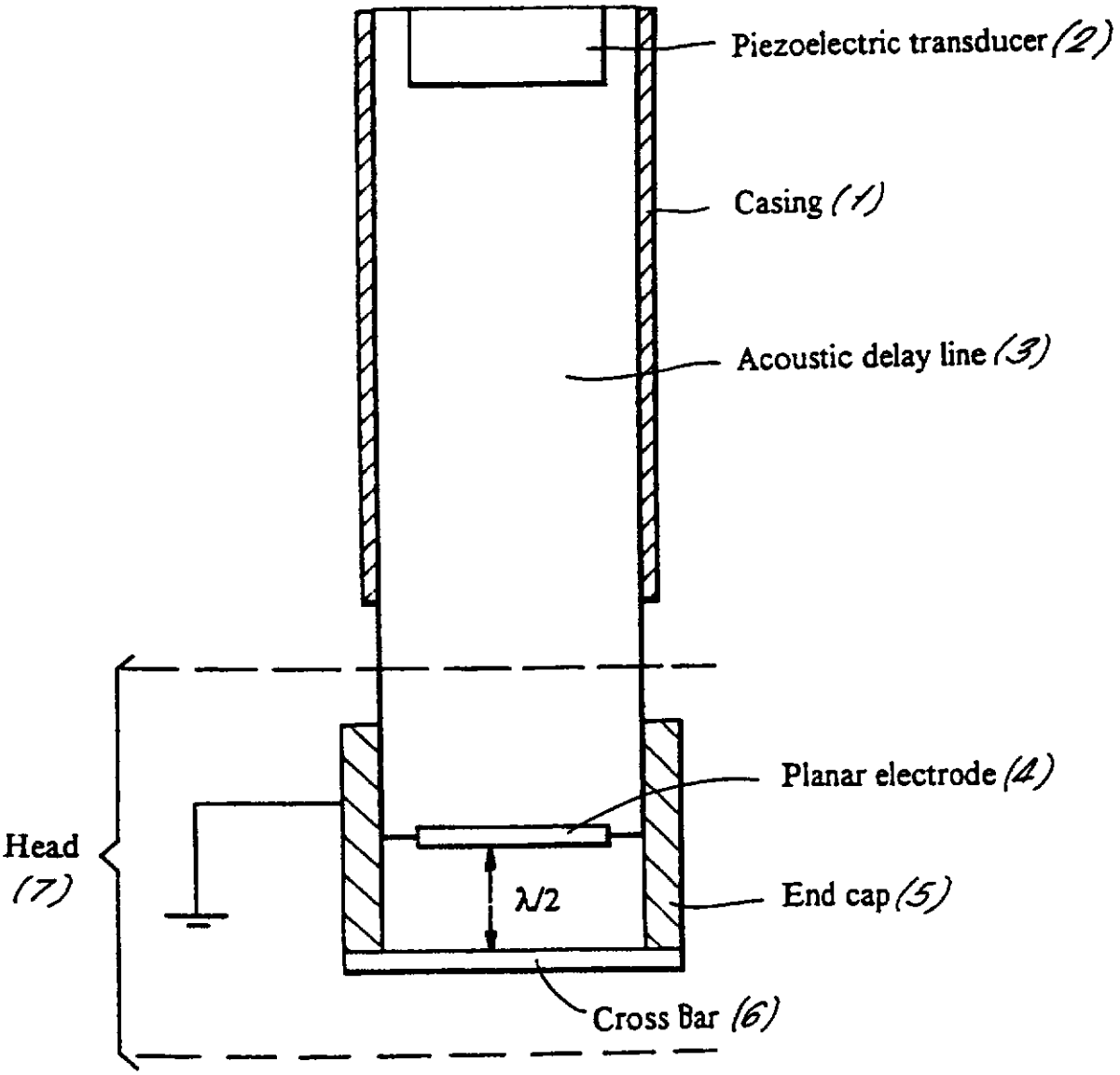

Piezoelectric transducer (2)
Casing (1)
Acoustic delay line (3)
Planar electrode (4)
Head (7)
λ/2
End cap (5)
Cross Bar (6)

FIG. 2A.

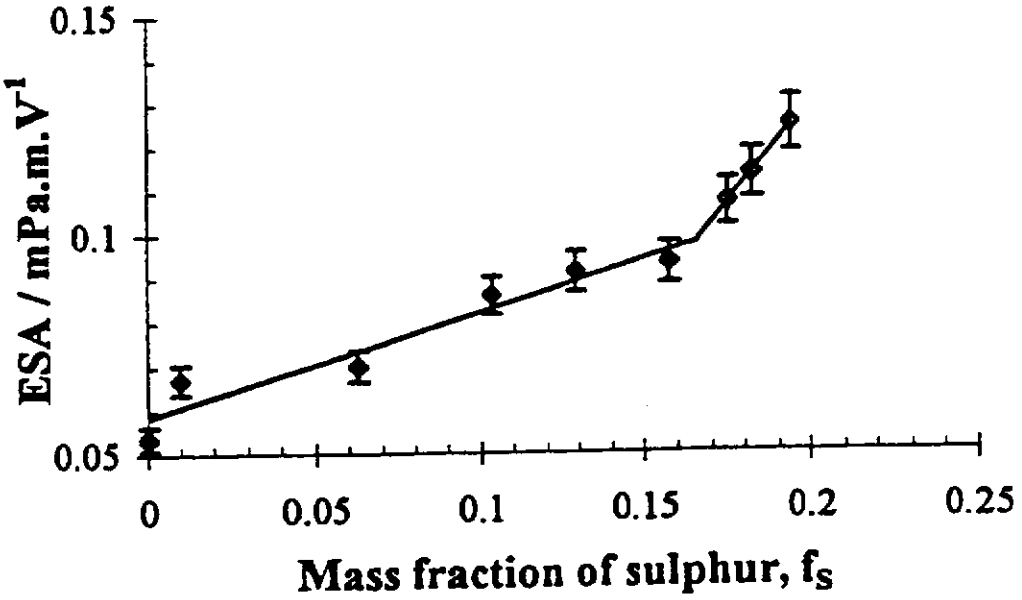

Variation in ESA signal with addition of sulphur to Na_2S saturated
ESA / mPa.m.V^{-1}
0.15
0.1
0.05
0
0.05
0.1
0.15
0.2
0.25
Mass fraction of sulphur, f_S

FIG. 2B.

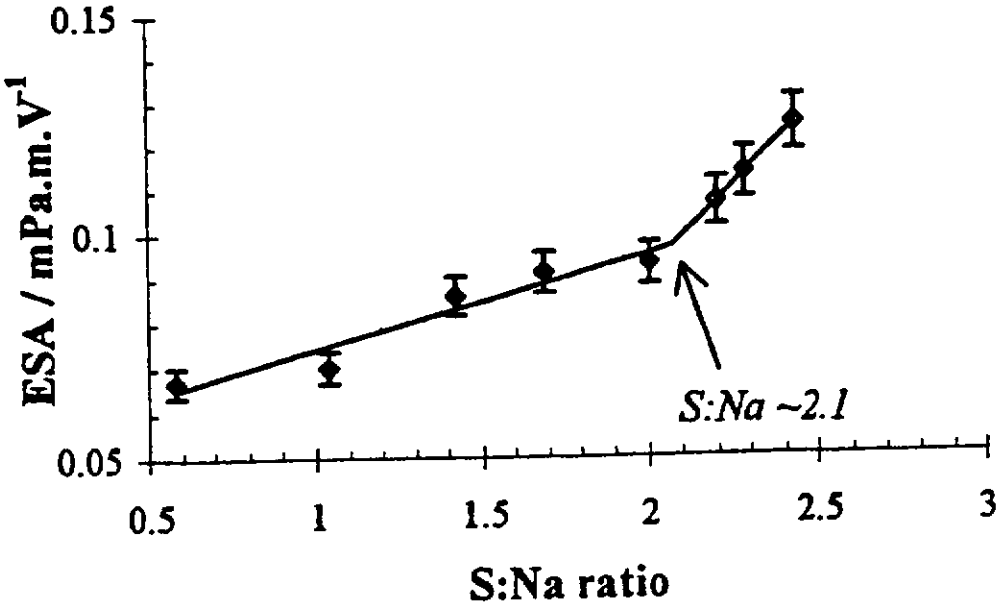

Variation in ESA signal with addition of sulphur to Na_2S saturated
ESA / mPa.m.V^{-1}
0.15
0.1
0.05
0.5
1
1.5
2
2.5
3
S:Na ~2.1
S:Na ratio

FIG. 3A.

Variation in ESA signal with added sulphur in 1.61 M Na_2S

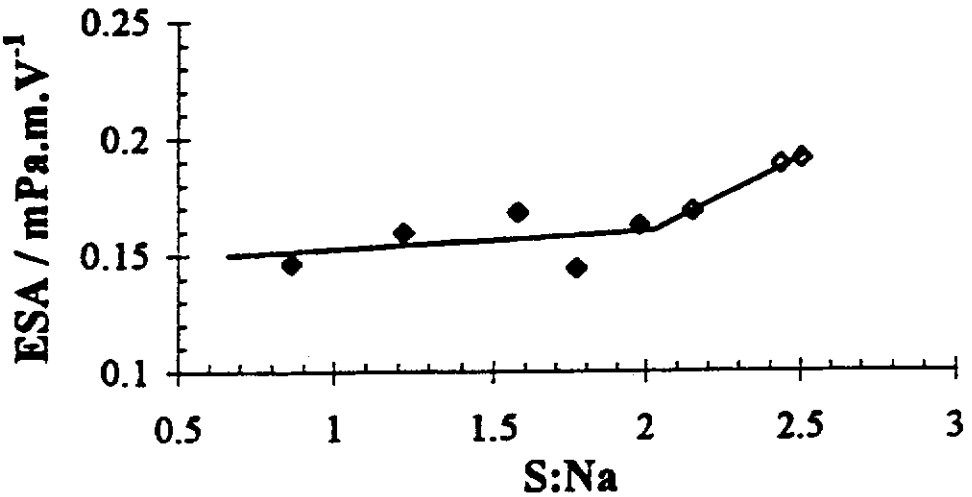


FIG. 3B.

Variation in ESA signal with added sulphur in 0.76 M Na_2S

