

**THIN FILM DEPOSITION BY MEANS OF THE ELECTROSPRAY METHOD FOR
CALIFORNIUM—252 FISSION FRAGMENT MASS SPECTROMETRIC
STUDIES OF INVOLATILE MOLECULES**

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An electro spray system and procedure has been developed for the routine preparation of thin films of involatile molecules for analytical measurements.

An anode-cathode design has been developed and conditions for reproducible performance established. Solvent systems for polar and non-polar molecules have been investigated. The method does not appear to degrade thermally-labile molecules.

Reference

1. Bruninx, E. and Rudstam, G., *Nuclear Instruments and Methods*, **13**, 131, (1961).