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[54] RADIATION DETECTOR AND METHOD OF OPAQUING THE MICA WINDOW

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[56]

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[57] ABSTRACT

An improved particle detection tube including a method for applying a radiation transparent electrically non-conductive, opaque to ultraviolet light coating to the mica window of the tube. The coating reduces erroneous counts by preventing arcing between the tube anode and window. A purified mineral bituminous hydrocarbon based wax coating is applied to the mica window by cleaning the window with a hydrocarbon or chlorinated solvent rinsing with isopropyl alcohol drying the window dissolving 4 to 20 milligrams of purified bituminous hydrocarbon based wax in 1 to 2 milliliters of a hydrocarbon or chlorinated solvent on the window, and rotating the tube until the solvent evaporates to produce a film of the wax thereon.

8 Claims, 1 Drawing Figure

