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ABSTRACT OF THE DISCLOSURE

Sensors for Sulfur Activity Measurements

A method and a sensor to measure the sulfur activity in sulfur-containing environments are disclosed. The active component is a non-stoichiometric metal sulfide foil or film. In the case of a thin sulfide film, a ceramic substrate is employed for improved mechanical rigidity. The electrical conductivity of the sulfide is related to the sulfur activity of the process stream to which it is exposed.

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