

## **Fluoride Salt Cooled Reactor Primary Flowmeter Based on N-16 and/or F-20 Decays**

### **Disclosure Number**

201303032

### **Technology Summary**

Measuring the primary coolant flow in a Fluoride salt-cooled High-temperature Reactor (FHR) is required to operate the plant. Particularly harsh environmental conditions of the flow make such measurements especially challenging. Various devices and methods for carrying out such measurements have been developed, but each is fraught with deleterious problems. The present invention is a new device and method overcomes the difficulties of conventional devices and methods while providing a non-invasive, high-accuracy means of measuring the primary coolant flow in FHRs

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