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United States Patent

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**Fritz Ewing
Stuart Linzer**

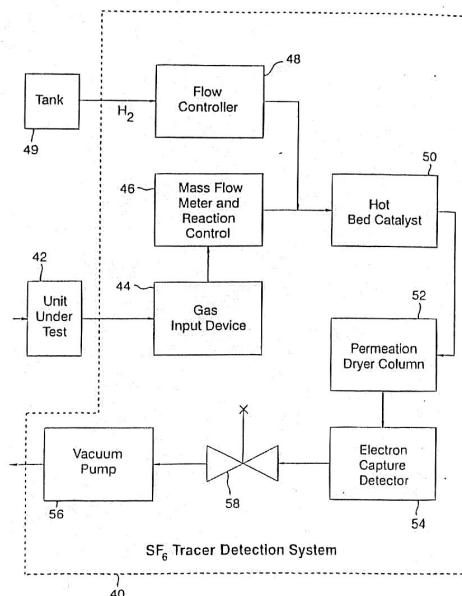
-INVENTORS-

Patent No. 6,196,056

Vacuum Instrument Corporation

SYSTEM FOR DETERMINING INTEGRITY OF A GAS-SEALED COMPARTMENT

A system is provided for detecting a seal fault in units which include sealed gaseous portions. The system includes an electro-negative tracer gas inserter for inserting an electro-negative tracer gas within the sealed portion of the unit, a gas sampler for sampling a flow of gas proximate the object containing the tracer gas and an electron capture detector connected to the gas sampler for monitoring the gas for the presence of the electro-negative test gas. The system thereby determines a presence or absence of the seal fault in the sealed portion of the unit.



The Commissioner of Patents and Trademarks has received an application for a patent for a new and useful invention. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law, Therefore, this

United States Patent

grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.

Nicholas P. Godici

Acting Director of the United States Patent and Trademark Office

