

**METHOD FOR REMOVING HALOGEN FLUORIDE, QUANTITATIVE ANALYSIS
METHOD FOR GAS COMPONENT CONTAINED IN HALOGEN FLUORIDE MIXED
GAS, AND QUANTITATIVE ANALYZER**

ABSTRACT

5 [Problem] The present invention provides a method for
efficiently removing a halogen fluoride including bromine or
iodine contained in a mixed gas. Further, the present invention
also provides a quantitative analysis method which makes it
possible to quantify, efficiently and precisely, impurity
10 components such as oxygen, nitrogen, carbon dioxide and
tetrafluoromethane contained in a halogen fluoride.

[Solution] A method for removing a halogen fluoride in a mixed
gas by reacting the mixed gas containing a halogen fluoride
including bromine or iodine with a removing agent, wherein the
15 removing agent is a chloride, bromide or iodide of potassium,
sodium, magnesium, calcium and barium. A quantitative analysis
method for a gas component contained in a halogen fluoride mixed
gas, characterized by reacting a mixed gas containing a halogen
fluoride and another gas component with a removing agent,
20 thereby removing the halogen fluoride in the mixed gas, further
removing produced by-products, and quantitatively analyzing a
residual gas by a gas chromatograph.

[No suitable figure]