

ABSTRACT

The present invention discloses an electrode for electrolyzing an electrolyte comprising an ammonium fluoride (NH_4F)-hydrogen fluoride (HF)-containing molten salt and having a composition ratio ($\text{HF}/\text{NH}_4\text{F}$) of 1 to 3 to prepare a nitrogen trifluoride (NF_3) gas and an electrolyte for use in the preparation of NF_3 gas, and a preparation method of the NF_3 gas by the use of the electrode and the electrolyte. The electrode comprises nickel having 0.07 wt% or less of Si content and containing a transition metal other than nickel. The electrolyte also contains a transition metal other than nickel.

This Sheet Has Been Replaced

