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ABSTRACT

This invention provides a process for producing high-purity nitrogen trifluoride gas by molten salt electrolysis using a nickel electrode and ammonium
5 hydrogenfluoride as an electrolyte, wherein carbon element constituting impurity gases entrained in a crude gas, among impurities in the nickel electrode as an anode is controlled to an amount of 400 wt ppm or less. The process allows high-purity nitrogen trifluoride gas to be produced with
10 a purity of 4N or higher.

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