

DECOMPOSER CONTAINING IRON PARTICLES FOR ORGANOHALOGEN
COMPOUND AND METHOD FOR PRODUCING THE SAME

ABSTRACT

There are provided a decomposer comprising iron particles which need not contain copper, and having the ability to satisfactorily decompose an organohalogen compound and a method for producing the same.

A decomposer for an organohalogen compound, containing iron particles comprising iron and iron oxide, wherein the iron particles have a metallic iron content of 15% or more by mass, wherein the metallic iron content is a content of metallic iron in the outermost surface layer of the iron particles to which the ion beam etching has been applied twice under the following etching conditions:

degree of vacuum in a chamber: 2.0×10^{-2} Pa

accelerating voltage of an ion gun: 10 kV

emission current: 10 mA

etching time: 14 seconds.

Fig. 1