

ABSTRACTPROCEDURE AND APPARATUS FOR THE PURIFICATION
OF AIR, FLUE GASES OR EQUIVALENT

Procedure and apparatus for the purification of air, flue gases or equivalent, in which procedure the air, flue gases or equivalent are directed into a duct or equivalent, in which procedure the air, flue gases or equivalent are ionized, and in which procedure the charged impurity particles (7) present in the air, flue gases or equivalent are attracted by one or more collector surfaces (2) by virtue of a difference in the states of charge, causing the particles to settle on said surface. The air, flue gases or equivalent are ionized by means of one or more ionizing electrodes (5) directed at a collector surface. The distance between the ionizing electrode or equivalent and the collector surface as well as the difference between the states of electric charge of the collector surface and the charged impurity particles are so adjusted that the impurity particles will be carried by an ion beam essentially directly towards the collector surface and settle on it.

Fig.1.