

ABSTRACT OF THE DISCLOSURE
APPARATUS FOR REMOVING IMPURITIES IN AIR

The present invention aims to obtain an apparatus for removing impurities in air controls the quality of an absorbing solution for absorbing soluble gases in air to be processed by adjusting the pH value of the absorbing solution within a predetermined range at all times without increasing the concentration of removed gas components in the already processed supply air.

The apparatus removes soluble gas impurities in air to be processed by a gas-liquid contact method. The apparatus detects the pH value of the absorbing solution in an absorbing solution circulation system(13) that supplies the absorbing solution into a passage(11) through which the air to be processed flows, dissolves soluble gases in the air to be processed into the absorbing solution by causing the absorbing solution to come in gas-liquid contact with the air to be processed, and recovers the absorbing solution having the soluble gases dissolved therein and supplies the recovered absorbing solution back into the passage(11), and causes a selective ion controller(21) to selectively adjust ions in the absorbing solution directly or indirectly based on the detected pH value.

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