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(54) **METHOD FOR PRODUCING MAGNESIUM OXIDE**

(57) It is an object to provide a method for producing magnesium oxide by which magnesium oxide being high in purity and low in impurity content can be produced simply and efficiently from a sulfuric acid solution containing magnesium and calcium such as waste water. In the present invention, calcium is precipitated as calcium sulfate and separated by concentrating a sulfuric acid solution containing magnesium and calcium, and magnesium is precipitated as magnesium sulfate and separated by further concentrating the solution resulting from the separation of calcium. The separated magnesium sulfate is roasted together with a reductant, so that magnesium oxide and sulfur dioxide are obtained. The resulting magnesium oxide is washed to produce magnesium oxide with high purity.

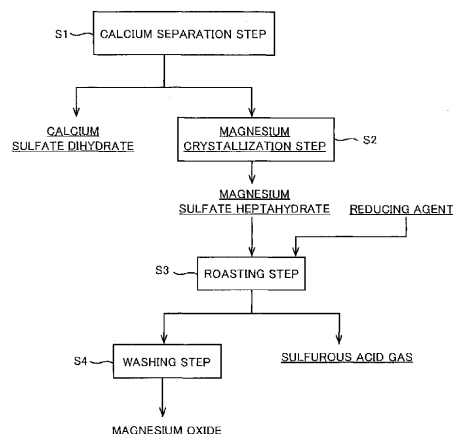


FIG.1