

## CLEANING SYSTEM OF SULFURIC ACID RECYCLING TYPE AND PERSULFURIC ACID FEEDER OF SULFURIC ACID RECYCLING TYPE

### 5 ABSTRACT

A system for cleaning with persulfuric acid which makes it possible to enhance the persulfuric acid concentration and thereby attain higher cleaning effect and which permits the continuation of cleaning; and a feeder for feeding persulfuric acid into a cleaning apparatus. The feeder is provided with an electrolysis vessel (10) for forming  
10 persulfate ions by electrolysis from sulfate ions contained in a solution and thus regenerating a persulfuric acid solution, and lines (4), (5) and (6) for circulating a persulfuric acid solution between a cleaning tank (1) and the electrolysis vessel (10). The system is constituted of the above feeder and a cleaning tank (1) for cleaning a member (30) to be cleaned by the use of a persulfuric acid (2) as the cleaning fluid.

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Figure 1