

METHOD FOR RECYCLING ELECTRONIC-GRADE AND INDUSTRIAL-GRADE SULFURIC ACID

ABSTRACT OF DISCLOSURE

The present invention provides a method for recycling sulfuric acid from various industries. The recovery system is constructed that it can process spent acid containing H_2O_2 and recover waste heat to save energy. The heat from the spent acid recovery process is used to generate electric energy, hot water, and chilled water to reduce its energy consumption, operating cost, and carbon emissions. This system can produce electronic-grade and industrial-grade sulfuric acid at the same time and solve the problem of spent acid disposal from various industries.

Fig. 1