

REGENERATED SULFUR RECOVERY APPARATUS

ABSTRACT OF THE DISCLOSURE

A regenerated sulfur recovery apparatus positioned in a sulfur recovery plant is provided which apparatus includes a sulfur purifier which cools gaseous sulfur so as to condensate it to form solid sulfur while removing impurities contained therein, which apparatus is characterized in that it comprises

a steam supplying means which supplies steam into the sulfur purifier, so that solid sulfur deposited onto an inner wall of the sulfur purifier is melted,

a molten sulfur reservoir which recovers and stores such sulfur melted by the steam supplying means,

a reservoir heating means which heats the molten sulfur reservoir,

an exhaust gas line which directs an exhaust gas formed in the molten sulfur reservoir to its outside which gas is formed when the molten sulfur reservoir is heated by the reservoir heating means, and

an inert gas supply means which supplies an inert gas to the molten sulfur reservoir, and

that the inert gas supply means supplies the inert gas such that the inert gas supplied into the molten sulfur reservoir flows to its outside through the exhaust gas line when the molten sulfur stored in the molten sulfur reservoir is discharged from the molten sulfur reservoir.