

ABSTRACT

A sphering apparatus includes a sphering furnace on a body of which a plurality of adhesion preventing air-introducing holes is formed and at a lower position of which a carrier air-introducing hole and a carrier air-withdrawing hole are formed; an air blower introducing both an adhesion preventing air and a carrier air; a first pipe one end of which is connected to a discharging part of the air blower and the other end of which is biforked, one biforked end being connected to the carrier air-introducing hole and the other biforked end being connected to a manifold bundling the plurality of adhesion preventing air-introducing holes; a first damper provided in any one of two pipes in the biforked part of the first pipe; a cyclone connected to the carrier air-withdrawing hole through a second pipe; and a bag filter connected to the cyclone through a third pipe.