

Method of preparing and feeding coal dust and generator gas into a boiler burning a binary mixture consists in that the grinding of crushed coal particles to a powdery state and the formation of a binary mixture of dust and a transporting agent in a countercurrent jet mill is carried out due to the interaction of two oppositely directed and azodisperse jets, which are formed as a result of the conversion of potential energy of transporting agents in Laval nozzles into kinetic energy, with its subsequent transfer to crushed coal particles. Wherein generator gas is used as a transporting agent, which is produced from peat, biomass in a fixed-bed gasifier under a pressure of 1 MPa in an oxygen-enriched steam-air mixture, as a result of which rapid heating and ignition of coal particles is ensured, as well as stabilization and stability of the torch in the furnace.