

APPARATUS AND METHOD FOR WASTE TREATMENT

ABSTRACT

The present invention is directed to a kiln and associated apparatus for use in a method of treatment of solid and liquid wastes. A kiln (10) is provided, of the type including a kiln casing lined with refractory material. A hopper (24) is provided to supply a pelletized mixture of clay and waste material to the kiln, which is of the updraft type. Flue gas is exhausted to a precipitator/heat exchanger (32) which heats the incoming air charge. The incoming pellet charge is preheated by a portion of the heated combustion air in preheater (21). The kiln (10) is fired to a temperature above 1300 degrees celsius to produce a stable, ceramic pellet at high thermal efficiency.

---

This Sheet Has Been Replaced



8-24-60