

PROCESS AND PLANT FOR INCINERATING WASTE WITH PREHEATING OF THE LATTER

ABSTRACT

The invention relates to a process for incinerating domestic or industrial waste, in a reactor (RC), characterized in that: the combustion is carried out under pressure and with a supply of pure oxygen in the reactor, and in the absence of nitrogen, the vapours resulting from the steam expansion turbine are withdrawn in order to preheat the waste before entry thereof into the reactor, then the remaining gases are condensed with a view to the recovery thereof. A plant carrying out the process mainly comprises an incineration line (1), a vapour circuit (2), a fuel supply line (3), a nitrogen circuit (4) and an oxygen circuit.

Figure 1