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(54) Title: A METHOD IN SUPPLYING COMBUSTION AIR TO A COMBUSTION CHAMBER, ARRANGEMENTS IN SAID COMBUSTION CHAMBER AS WELL AS USE OF OXYGEN-CONTAINING EXHAUST FROM A GAS TURBINE ✓		
(57) Abstract A reformer (24) which may be included in a process plant, comprises a reactor chamber (28) having a combustion chamber (26), to which fuel and combustion air are supplied. The exhaust gas from the combustion chamber (26) may have a very high temperature, e.g. 650 °C. The combustion chamber (26) supplies heat energy to the reactor chamber (28) in which a heat treatment of gas can take place. The process plant comprises at least one gas turbine (10). In order to reduce the consumption of energy, the exhaust gas discharge outlet (at 20) of the gas turbine (10) is through a channel (22), directly or indirectly, in fluid communication with the combustion air inlet of said combustion chamber (26), so that turbine exhaust gas preheated to a substantial temperature, e.g. 350 - 450 °C, is blown through said channel, etc., (22) through the overpressure of the turbing exhaust gas, e.g. of up to 0.5 bars, without the need for a fan, to the intake of the combustion chamber (26).		