Abstract

Method for operating a combined-cycle power plant and combined-cycle power plant for carrying out the method

In a method for operating a combined-cycle power plant (1), in which the heat contained in the expanded working medium (AM) of an associated gas turbine (2) operable with both gas and oil as fuel is utilized in order to generate steam for an associated steam turbine (20) comprising at least one high-pressure stage (50), particularly high plant efficiency being capable of being achieved by means of the said method, irrespective of the fuel used for the gas turbine, at a low outlay in terms of apparatus and operational requirements, according to the invention, after a change of the operation of the gas turbine (2) from gas to oil, feed water (S) to be supplied to the high-pressure stage (50) is divided into a first and a second part stream (T1, T2), only one of the part streams (T1, T2) being preheated. In a combined-cycle power plant (1) particularly suitable for carrying out the method, a bypass line (142) is connected in parallel with the feed-water preheater (52) assigned to the high-pressure stage (50).