

Abstract

Steam generator

An especially high efficiency is achieved with the steam generator (1) when biomass is used as fuel (S).

5 According to the invention, the steam generator (1) contains a first combustion chamber (24) for generating a gaseous working medium (A) by burning a first fuel (K) and a second combustion chamber (26) for burning a second fuel (S). The second combustion chamber (26) is connected

10 downstream of the first combustion chamber (24) in the direction of flow of the working medium (A). In this arrangement, bituminous coal is fed as fuel (K) to the first combustion chamber (24) and/or biomass, in particular straw, is fed as fuel (S) to the second combustion

15 chamber (26). The working medium (A) generated in the first combustion chamber (24) during operation of the steam generator (1) serves as combustion air in the second combustion chamber.

FIG. 1