

Abstract

Power-generation system having a combined heat and power plant and method for
power generation

5 A power-generation system having a combined heat and power plant and a fermentation
plant has an electrolysis plant, which is connected by means of lines to both the
combined heat and power plant and to the fermentation plant. This enables a method in
which heat from a combined heat and power plant can be used for a fermentation plant
and additionally heat from an electrolysis plant can be used for the fermentation plant,
whilst the oxygen from the electrolysis plant is used for the combined heat and power
10 plant.

(Figure 1)