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(54) **METHOD FOR USE OF THE SYNTHESIS GAS THAT COMES FROM A GASIFIER**

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See application file for complete search history.

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(57) **ABSTRACT**

A synthesis gas ( $H_2+CO$ ) that comes from a gasifier is supposed to be used in more efficient and optimal manner, particularly for generating electricity, whereby then,  $CO_2$  that occurs at the same time is supposed to be passed to storage. This is achieved in that—the synthesis gas ( $H_2+CO$ ) and oxygen ( $O_2$ ) from an air separation system are combusted in a burner, and relaxed by way of a gas turbine (driving a generator), — $CO_2$  is separated in the waste gas stream and passed to a compressor driven by the gas turbine, and—passed to  $CO_2$  storage as compressed  $CO_2$ .

**3 Claims, 1 Drawing Sheet**

