

**Energy-efficient system for generating carbon black, preferably in
energetic cooperation with systems for generating silicon dioxide and/or
silicon**

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Abstract

The object of the invention is a more energy-efficient system for utilizing waste heat and residual gases from the engineered generation of carbon compounds, such as carbon black, graphite or from sugar pyrolysis, using a
10 coupling of energy-heat or a thermal heat-generating plant for generating electrical energy, in particular for operating melt furnaces, and/or for utilizing the waste heat in endothermal processes. The invention also relates to the use of waste heat.

15 No Fig.