

Title (en)

Apparatus for the production of electric energy using high temperature fumes or gasses

Title (de)

Vorrichtung zur Erzeugung von elektrischer Energie unter Verwendung von Rauchgasen oder Gasen hoher Temperatur

Title (fr)

Procédé et appareil permettant la production d'énergie électrique en utilisant des fumées ou des gaz à haute température

Publication

EP 1555396 A1 20050720 (EN)

Application

EP 04425916 A 20041213

Priority

IT BS20030128 A 20031216

Abstract (en)

This invention concerns a system for producing electric or mechanical energy, starting from the fumes or gasses from combustion of a biomass or from some other origin that includes a turbogenerator group (12) operating according to the Rankine cycle and an intermediate heat exchange between the high temperature fumes or gasses and an working fluid evaporation heat exchanger (16) feeding the turbogenerator group (12). Flowing in the intermediate heat exchange circuit (13) is a aeriform fluid that on the one hand, is heated by the high temperature gasses or fumes and on the other, releases heat to the working feed fluid of the turbogenerator group (12). The aeriform fluid can be an inert gas or air with a low oxygen content. <IMAGE>

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F01K 25/08

IPC 8 full level

F01K 25/08 (2006.01)

CPC (source: EP)

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Citation (search report)

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