

Title (en)

METHOD OF GENERATING POWER USING A COMBINED CYCLE

Title (de)

VERFAHREN ZUR ERZEUGUNG VON ENERGIE MITHILFE EINES KOMBIKRAFTWERKS

Title (fr)

PROCÉDÉ DE GÉNÉRATION D'ÉNERGIE AU MOYEN D'UN CYCLE COMBINÉ

Publication

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Application

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Abstract (en)

[origin: WO2017081131A1] The invention provides a method of generating power using a combined cycle, comprising operating a first power system in which fuel is burned to generate primary power and a flue gas stream at a flue gas temperature greater than 450 °C, and operating a second power system to generate secondary power from the heat comprised by the flue gas stream, the second power system comprising a waste heat recovery heat exchanger. The method further comprises passing the flue gas stream through the waste heat recovery heat exchanger, passing a pressurized waste heat recovery fluid through the waste heat recovery heat exchanger to receive heat from the flue gas stream thereby obtaining a pressurized vaporous waste heat recovery fluid having a temperature in the range of 350 °C - 500 °C. The waste heat recovery fluid comprises more than 75 mol% of fluorinated ketones.

IPC 8 full level

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