

Title (en)

AIR EXTRACTION IN A GASIFICATION PROCESS

Title (de)

LUFTABSAUGUNG IN EINEM VERGASUNGSVERFAHREN

Title (fr)

EXTRACTION D'AIR DANS UN PROCESSUS DE GAZEIFICATION

Publication

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Application

EP 98926531 A 19980605

Priority

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Abstract (en)

[origin: WO9855811A1] The invention is a process for generating power from syngas in a combustion turbine that includes an air compressor (18), a combustor (20), and an expansion turbine (22). The invention involves continuously withdrawing a fraction (26) of the compressed air from the air compressor (18) and supplying this compressed air (26) to an air separation unit (12) used in the manufacture of the syngas, wherein the supplied compressed air (26) provides a fraction of the compressed air requirements of an air separation (12) unit used in the manufacture of the syngas. The invention also involves continuously mixing gaseous hydrocarbons (24) with the synthesis gas (16) to produce a fuel gas, controlling the quantity of gaseous hydrocarbons (24) added to the fuel gas to match the air compressor output to the combustor with combustor air requirements, and introducing the fuel gas to the combustor (20). It is usually advantageous to combine the two processes to obtain the maximum power generation from a combustion turbine.

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IPC 8 full level

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See references of WO 9855811A1

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