

Title (en)

PLASMA FEEDWATER AND/OR MAKE UP WATER ENERGY TRANSFER SYSTEM

Title (de)

STROMÜBERTRAGUNGSSYSTEM FÜR PLASMA-SPEISEWASSER UND/ODER ZUSATZWASSER

Title (fr)

SYSTÈME À PLASMA DE TRANSFERT D'ÉNERGIE D'EAU D'ALIMENTATION ET/OU D'EAU D'APPOINT

Publication

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Application

EP 11803941 A 20110708

Priority

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Abstract (en)

[origin: WO2012005768A1] A method and system for converting a feedstock using thermal plasma or other gassifier, into a feedwater or make up water energy transfer system. Feedstock is any organic material or fossil fuel. The energy transferred in the feedwater or make up water is used in any Rankine or other steam process, or any process that requires heat. Heat is extracted from a gas product issued by a gassifier and is delivered to a power plant via its feedwater system or make up water system. Preferably, the gassifier is a plasma gassifier and the gas product is syngas that is combusted in an afterburner. A heated air flow and/or EGR flow is provided to the afterburner at a variable flow rate that is responsive to an operating characteristic of the afterburner.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012005768A1

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