

Title (en)

SYSTEM CONCEPT WITH LOW ENERGY REQUIREMENT AND IMPROVED ENERGY YIELD

Title (de)

ANLAGENKONZEPT MIT GERINGEREM ENERGIEEINSATZ UND VERBESSERTER ENERGIEAUSBEUTE

Title (fr)

CONCEPT D'INSTALLATION AVEC APPORT D'ÉNERGIE RÉDUIT ET RENDEMENT ÉNERGÉTIQUE AMÉLIORÉ

Publication

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Application

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Abstract (en)

[origin: WO2008107457A1] The invention relates to a method for the environmentally sound disposal of air/solvent mixtures (5), which are made of combustible gaseous, vaporous or liquid waste products, using a fuel cell system (1) for the recycling of the air/solvent mixtures (5) while removing the environmentally compatible exhaust air (2) developing in the fuel cell system (1), the waste heat (3) that is produced and the electric power that is produced. In order to improve the method, it is proposed that the air/solvent mixtures (5) are fed partially or completely to a recovery unit (6) and converted there into a usable form of energy (22, 24, 7), and that these mixtures are fed partially or completely to the fuel cell system (1) for recycling, and as a result during operation the fuel cell system (1) is supplied partially or completely with fuel and the fuel cell system (1) operates based on a molten carbonate fuel cell design.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2008107458A1

Citation (examination)

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