Title (en)

PROCESS FOR PRODUCING A HYDROGEN-CONTAINING PRODUCT GAS USING ENERGY FROM WASTE

Title (de)

VERFAHREN ZUR ERZEUGUNG EINES WASSERSTOFFHALTIGEN PRODUKTGASES UNTER VERWENDUNG VON ENERGIE AUS ABFALL

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN PRODUIT GAZEUX CONTENANT DE L'HYDROGÈNE À L'AIDE D'ÉNERGIE PROVENANT DE DÉCHETS

Publication

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Application

EP 22702448 A 20220126

Priority

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Abstract (en)

[origin: EP4036055A1] The invention describes a process and a system for producing a hydrogen-containing product gas 44, 45 using energy from waste. The process comprises the steps of feeding waste 12 from a waste supply 10 to a boiler 22 of a waste incinerator; combusting said waste 12 to produce heat, supplying a methane comprising gas 30 from a gas supply and steam 36 from a steam supply 34 to a reactor 32 of a steam reforming unit; providing heat produced in the boiler 22 to the reactor 32 of the steam reforming unit; and producing a product gas 44, 45 comprising hydrogen by the reaction of methane comprising gas 30 and steam 36 supported by heat provided by the combustion of waste 12 in the boiler 22.

IPC 8 full level

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CPC (source: EP)

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