

Title (en)

METHOD AND DEVICE FOR UTILIZING BIOMASS IN A BIOMASS GASIFICATION PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERWERTUNG VON BIOMASSE IN EINEM BIOMASSEN-VERGASUNGSPROZESS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE VALORISATION DE BIOMASSE DANS UN PROCÉDÉ DE GAZÉIFICATION DE LA BIOMASSE

Publication

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Application

EP 10707267 A 20100303

Priority

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Abstract (en)

[origin: WO2010100174A2] The invention relates to a method for utilizing biomass, wherein the following steps are performed: First, at least one raw material containing carbon is thermally gasified. In a next step, the synthesis gas produced in the gasification is purified. During said purification, the temperature of the synthesis gas is changed. Then the synthesis gas is preferably converted into a liquid fuel by means of a catalyzed chemical reaction, wherein a straw-like biomass is selected as the raw material containing carbon, the gasification is performed in a fixed bed reactor, and the ash-softening temperature of the straw-like raw material is increased by adding at least one alkaline-earth salt.

IPC 8 full level

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Citation (search report)

See references of WO 2010100174A2

Citation (examination)

WANG HONGLI ET AL: "Research on High Efficient Straw Gasifier", 1 January 2009, PROCEEDINGS OF ISES WORLD CONGRESS 2007 (VOL. I - VOL. V) - SOLAR ENERGY AND HUMAN SETTLEMENT, SPRINGER, DE, PAGE(S) 2383 - 2387, ISBN: 978-3-540-75996-6, XP008178046

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