

Title (en)
BIOMASS BASED ACTIVATED CARBON AS CO₂ AND CO ABSORBENT METHOD AND APPARATUS FOR SEPARATING CO AND CO₂ FROM A GAS SUCH AS BLAST FURNACE GAS

Title (de)
AUF BIOMASSE BASIERENDE AKTIVKOHLE ALS CO₂- UND CO-ABSORBENS, VERFAHREN UND VORRICHTUNG ZUR ABTRENNUNG VON CO UND CO₂ AUS EINEM GAS WIE HOCHOFENGAS

Title (fr)
CHARBON ACTIF À BASE DE BIOMASSE EN TANT QUE PROCÉDÉ ABSORBANT DE CO₂ ET DE CO ET APPAREIL DE SÉPARATION DE CO ET DE CO₂ D'UN GAZ TEL QU'UN GAZ DE HAUT FOURNEAU

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Abstract (en)
[origin: WO2020053752A1] The invention mainly relates to a biomass based activated carbon as adsorbent for the separation of carbon dioxide and carbon monoxide from a gas containing at least carbon dioxide, carbon monoxide and inert components such as nitrogen and hydrogen, said biomass based activated carbon having a porous structure prepared from olive stones and impregnated with copper chloride. The invention also relates to a method of separation of carbon dioxide and carbon monoxide from a gas containing at least carbon dioxide, carbon monoxide, and inert components such as nitrogen and hydrogen, wherein said gas is subjected to flow through a CO₂ and CO adsorbent layer comprising said biomass based activated carbon.

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Cited by
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