

Title (en)
PROCESS FOR A COMPLETE GASIFICATION OF CARBONACEOUS MATERIALS.

Title (de)
VERFAHREN ZUR VOLLSTÄNDIGEN VERGASUNG KOHLENSTOFF ENTHALTENDER MATERIALIEN.

Title (fr)
PROCEDE DE GAZEIFICATION COMPLETE DE MATIERES CARBONEES.

Publication
EP 0029040 A1 19810527 (FR)

Application
EP 80900925 A 19801201

Priority
FR 7912951 A 19790522

Abstract (en)
[origin: WO8002563A1] Process for the complete gasification of carbonaceous materials wherein a thorough pyrolysis of the material to be gasified is effected, preferably in a reducing medium, which provides on one hand pyrolygneous vapors, and on the other hand a high carbon content product characterized by the fact that a thorough degradation of all or part of said pyrolygneous vapors is effected providing a gas of which the anhydrous portion contains only non-condensable products in ordinary conditions of temperature and pressure, and characterized by the fact that said gas is brought back onto said product with a high carbon content being gaseified and the purified gas produced is extracted. The process provides a gas containing nothing but heavy pyrolysis products and it can be used without chemical purification or in a thermal motor.

Abstract (fr)
Procede de gazeification complete de matieres carbonees dans lequel on effectue d'abord une pyrolyse pousse de la matiere a gazeifier, de preference en milieu reducteur, qui fournit d'une part des vapeurs pyrolygneuses, d'autre part un produit a haute teneur en carbone caracterise par le fait que l'on effectue une degradation pousse de tout ou partie desdites vapeurs pyrolygneuses conduisant a un gaz dont la partie anhydre ne contient plus que des produits incondensables dans les conditions ordinaires de temperature et pression, et que l'on ramene ledit gaz sur ledit produit a haute teneur en carbone se trouvant en cours de gazeification et que l'on extrait le gaz epure produit. Le procede de l'invention conduit a un gaz ne contenant plus de produits lourds de pyrolyse et il peut etre utilise sans epuration chimiquement ou dans un moteur thermique.

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