

Title (en)  
GASIFICATION OF A CARBONACEOUS MATERIAL

Title (de)  
VERGASUNG EINES KOHLENSTOFFHALTIGEN STOFFES

Title (fr)  
GAZÉIFICATION DE MATIÈRE CARBONÉE

Publication  
**EP 2681292 A4 20141112 (EN)**

Application  
**EP 11860093 A 20110303**

Priority  
US 2011027070 W 20110303

Abstract (en)  
[origin: WO2012118511A1] The invention provides methods and apparatus ultimately for converting a carbonaceous material to liquid hydrocarbons suitable for use, for example, as transportation fuels. In a first step the carbonaceous material is converted to a syngas product, and in subsequent steps the syngas product is converted to the desired liquid hydrocarbons. In one embodiment, coal and methane are converted to syngas, and the syngas product is converted to hydrocarbons through a methanol intermediate. An example use for the methods and apparatus of the invention is in the preparation of aviation fuels.

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Citation (search report)  
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• [Y] JINHU WU ET AL: "Combined Coal Gasification and Methane Reforming for Production of Syngas in a Fluidized-Bed Reactor", ENERGY & FUELS, vol. 19, no. 2, 1 March 2005 (2005-03-01), pages 512 - 516, XP055143622, ISSN: 0887-0624, DOI: 10.1021/ef049853t  
• See references of WO 2012118511A1

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