

Title (en)
PRODUCTION OF LIQUID HYDROCARBONS

Publication
EP 0073355 B1 19850313 (DE)

Application
EP 82107035 A 19820804

Priority
DE 3133562 A 19810825

Abstract (en)
[origin: US4485003A] A process for producing liquid hydrocarbons from coal comprises treating comminuted coal at 380 DEG to 600 DEG C. and 260 to 450 bar with water in a high pressure reactor to form a charged supercritical gas phase and a coal residue. Simultaneously with the water treatment, hydrogenation with hydrogen takes place in the presence of a catalyst. The catalyst is selected from the group consisting of NaOH, KOH, Na₄SiO₄, NaBO₄, or KOB₂. Then, the gas phase is divided into several fractions by lowering its pressure and temperature. Energy and/or gas is generated from the coal residue.

IPC 1-7
C10G 1/06

IPC 8 full level
C10G 1/06 (2006.01); **C10G 1/00** (2006.01); **C10G 1/08** (2006.01)

CPC (source: EP US)
C10G 1/002 (2013.01 - EP US); **C10G 1/08** (2013.01 - EP US); **C10G 1/086** (2013.01 - EP US); **Y10S 208/952** (2013.01 - EP US)

Cited by
US9982199B2; US10005962B2; US10087373B2; WO9604598A1; US9695364B2; US9758729B2; US9902908B2; WO2012167791A3; WO2012167790A3; WO2012167793A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0073355 A1 19830309; **EP 0073355 B1 19850313**; AU 546829 B2 19850919; AU 8721182 A 19830303; CA 1191468 A 19850806; DE 3133562 A1 19830310; DE 3133562 C2 19870115; JP S5842689 A 19830312; US 4485003 A 19841127; ZA 826132 B 19830727

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EP 82107035 A 19820804; AU 8721182 A 19820817; CA 410019 A 19820824; DE 3133562 A 19810825; JP 14628982 A 19820825; US 40293382 A 19820729; ZA 826132 A 19820824