

Title (en)
COAL LIQUEFACTION PROCESS

Publication
EP 0161290 B1 19870812 (DE)

Application
EP 84904097 A 19841103

Priority
DE 3340041 A 19831105

Abstract (en)
[origin: WO8501954A1] In a coal liquefaction process with increase of the pressure and the temperature in a reaction zone, there is proposed to supply the reaction product leaving the reaction zone to a coking zone and to cool the gas and vapours formed therein and which are mainly fuel oil vapours, preferably by direct heat exchange with fresh coal pitch. The vapors and gas which have not condensed during such heat exchange are removed from the plant as final products. Said process enables to partially move the oil production from the reaction zone to the coking zone, so that the reaction zone may operate at low pressure. Furthermore, because of the direct heat exchange between the vapours and the fresh coal pitch, a major part of exothermal heat generated during the liquefaction reactions may be returned into the process.

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C10G 1/00

IPC 8 full level
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DE 8400233 W 19841103; AU 3614184 A 19841103; CA 467059 A 19841105; DE 3465331 T 19841103; EP 84904097 A 19841103; JP 50435484 A 19841103; US 74455485 A 19850520; ZA 848615 A 19841105