

Title (en)

Improvements in hydropyrolysis

Title (de)

Verbesserungen im Hydopyrolyseverfahren

Title (fr)

Perfectionnements d' un procédé d' hydropyrolyse

Publication

**EP 1016704 A2 20000705 (EN)**

Application

**EP 99310278 A 19991220**

Priority

GB 9827986 A 19981219

Abstract (en)

The invention provides an improved two stage process for use on kerogen bearing and/or "heavy oils" wherein the process comprises a two-stage catalytic hydropyrolysis process for recovering biomarkers from a geological oil-bearing sample, said process comprising the steps of: in a first stage heating a geological oil-bearing sample incorporating a dispersed hydrotreating catalyst up to a temperature of from 450 DEG C to 520 DEG C, in the presence of hydrogen at a pressure of from 5 MPa to 15 MPa so as to release into the vapour phase from said geological oil-bearing sample organic compound material containing biomarkers; and in a second stage contacting the material released in the first stage with a hydrotreating catalyst at a temperature in the range of from 300 DEG C to 350 DEG C in the presence of hydrogen at a pressure of from 5 MPa to 15 MPa so as to release chemically bonded biomarkers.

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**C10G 1/06**

IPC 8 full level

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Cited by

CN103930204A; CN110261191A; CN102191074A; CN110243957A; US10183279B2; WO2013074437A1; WO2017202837A1; US10822545B2; WO2023024402A1

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