

Title (en)  
Improvements in hydrolypyrolysis

Title (de)  
Verbesserungen im Hydopyrolyseverfahren

Title (fr)  
Perfectionnements d' un procédé d' hydrolypyrolyse

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 hydrolypyrolysis 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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Cited by  
CN110261191A; CN102191074A; CN110243957A; CN103930204A; WO2017202837A1; US10183279B2; US10822545B2; WO2013074437A1; WO2023024402A1

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