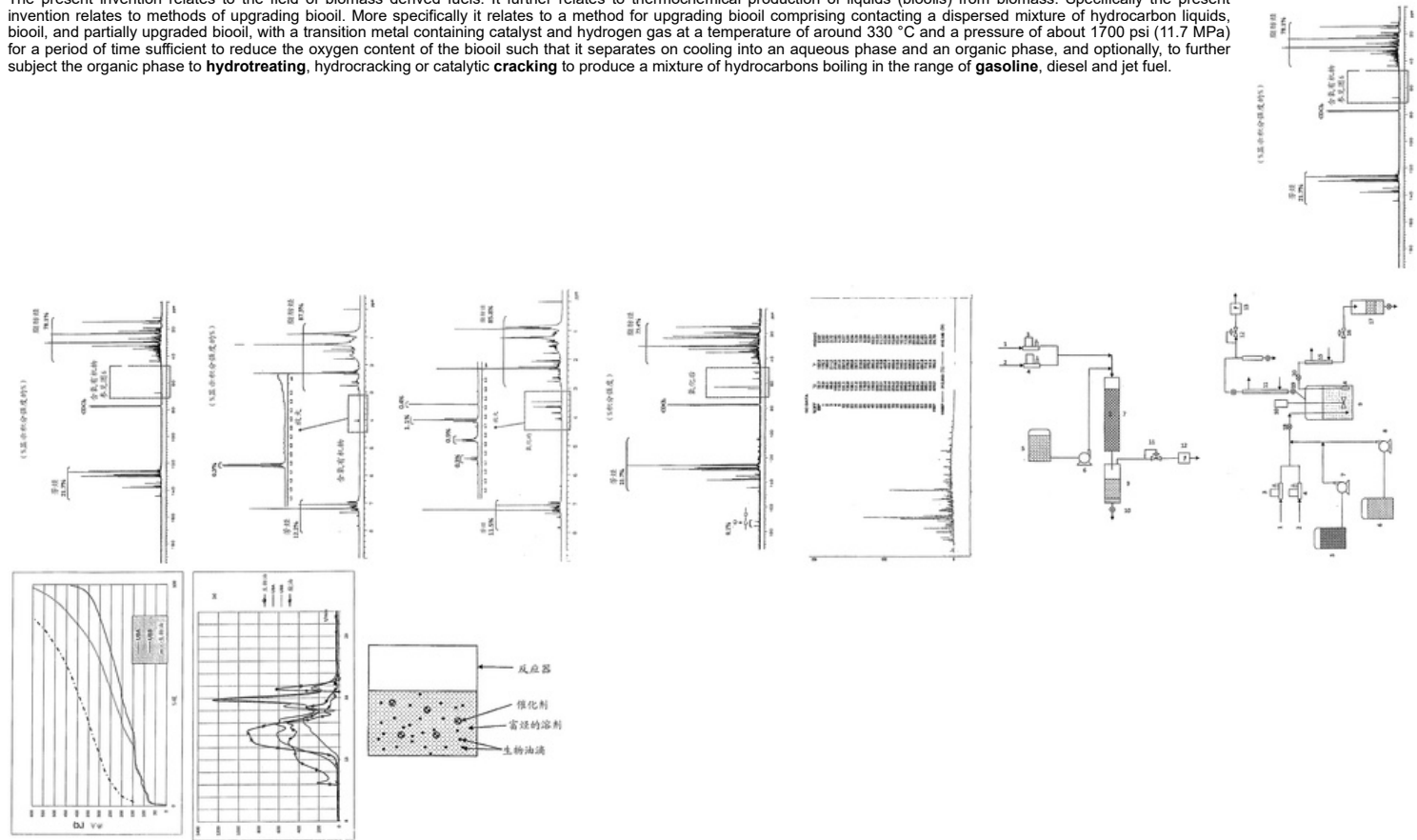


2 results for (pyrolysis oil and bioaceite and gasoline and hydrotreating and cracking)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX - Collection: FAMPAT

#	Title	Publication number	1st App. date	Applicant/Assignee	1st Publ. date	Publ. date
1.	Methods of upgrading biooil to transportation grade hydrocarbon fuels	CA2812974	2011-09-12	DAJNEMOUTIV ENERDZHI SISTEMZ DESMOND RADLEIN DYNAMOTIVE ENERGY SYSTEMS* IFP ENERGIES NOUVELLES* IFP ENERGIES NOW IFP ENERGY NOUS WELLS EMPLOYER MOTIVE ENERGY SYSTEMS DESMOND BAND LANE IFP ENERZHI NUVELL RADLEIN DESMOND	2012-03-22	2012-03-22

The present invention relates to the field of biomass derived fuels. It further relates to thermochemical production of liquids (biooils) from biomass. Specifically the present invention relates to methods of upgrading biooil. More specifically it relates to a method for upgrading biooil comprising contacting a dispersed mixture of hydrocarbon liquids, biooil, and partially upgraded biooil, with a transition metal containing catalyst and hydrogen gas at a temperature of around 330 °C and a pressure of about 1700 psi (11.7 MPa) for a period of time sufficient to reduce the oxygen content of the biooil such that it separates on cooling into an aqueous phase and an organic phase, and optionally, to further subject the organic phase to **hydrotreating**, hydrocracking or catalytic **cracking** to produce a mixture of hydrocarbons boiling in the range of **gasoline**, diesel and jet fuel.



2.	Method for upgrading bio-oils into hydrocarbon fuels	FR2987842	2012-03-12	IFP ENERGIES NOUVELLES* IFP ENERGIES NOW IFP S ENERGY WAKEFIELD WELLS	2013-09-13	2013-09-13
----	--	-----------	------------	---	------------	------------

The present invention relates to a method for producing hydrocarbon materials from a feedstock including at least one non-pretreated bio-oil, said feedstock being supplied in at least a first step of hydrotreating in the presence of hydrogen and a hydrotreating catalyst including at least one transition metal selected from among the elements from groups 3 through 12 of the periodic table, and at least one support selected from among activated carbons, silicon carbides, silicas, transition aluminas, alumina silicas, zirconium oxide, cerium oxide, titanium oxide, and transition-metal aluminates, taken alone or in a mixture, so as to obtain at least one liquid effluent including at least one aqueous phase and at least one organic phase, and a second step of **hydrotreating** and/or hydrocracking at least part of the organic phase of the effluent from the hydrotreating step so as to obtain a hydrocarbon effluent, wherein at least part of the organic phase of the effluent from the hydrotreating step is recycled in the hydrotreating step, mixed together with said feedstock including at least one bio-oil, at a recycling rate equal to the ratio of the mass flow of said organic phase to the mass flow of the non-pretreated bio-oil, which is between 0.05 and 2, and wherein the hydrocarbon effluent from the **hydrotreating** and/or hydrocracking step is not recycled in said hydrotreating step.

