Title (en)
METHOD AND SYSTEM FOR CHEMICAL AND PHYSICAL CHARACTERIZATION OF COMPLEX SAMPLES

Title (de)
VERFAHREN UND SYSTEM ZUR CHEMISCHEN UND PHYSIKALISCHEN KENNZEICHNUNG KOMPLEXER PROBEN

Title (fr)
PROCÉDÉ ET SYSTÈME POUR LA CARACTÉRISATION CHIMIQUE ET PHYSIQUE D'ÉCHANTILLONS COMPLEXES

Publication
EP 2044613 A2 20090408 (EN)

Application
EP 07835930 A 20070629

Priority
• US 2007015131 W 20070629
• US 81707606 P 20060629

Abstract (en)
[origin: WO2008005335A2] A method and system for rapid determination of a hydrocarbon type composition, such as crude oils and fractions thereof, and s obtaining the information necessary to assess the yield of commercially valuable fuel and lube oil fractions in a single process, variations of the method and system use Gas Chromatography - FID/Mass Spectrometry and other features, including an auto sampler, a wall coated capillary column, a temperature programmable injector, and a data processing system for compiling and processing the experimental data. The system and method further include a computer system with application software or other processing mechanism and optionally a communication network. One variation provides a graphical user interface for the entry of data and for displaying information, such as in a graphical manner, to show the relationship of various determined outputs and results.

IPC 8 full level
G01N 30/10 (2006.01); **G01N 30/68** (2006.01); **G01N 30/72** (2006.01)

CPC (source: EP)
H01J 49/04 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008005335 A2 20080110; **WO 2008005335 A3 20080703**; CA 2659402 A1 20080110; CA 2659402 C 20150203; EP 2044613 A2 20090408; EP 2044613 A4 20100210; MX 2009000099 A 20090213

DOCDB simple family (application)
US 2007015131 W 20070629; CA 2659402 A 20070629; EP 07835930 A 20070629; MX 2009000099 A 20070629