Title (en)

METHODS FOR DETERMINING CONDITION AND QUALITY OF PETROLEUM PRODUCTS

Title (de)

VERFAHREN ZUR BESTIMMUNG DES ZUSTANDES UND DER QUALITÄT VON ERDÖLPRODUKTEN

Title (fr)

PROCÉDÉS DE DÉTERMINATION D'ÉTAT ET DE QUALITÉ DE PRODUITS PÉTROLIERS

Publication

EP 3237904 A1 20171101 (EN)

Application

EP 15825722 A 20151221

Priority

- US 201462096564 P 20141224
- US 2015067101 W 20151221

Abstract (en)

[origin: WO2016106214A1] A method is provided for determining the condition or quality of a product. The method involves adding to the product a taggant in which the taggant exhibits degradation in response to one or more stimuli; carrying out an immunoassay specific for the taggant to determine degradation of the taggant; and determining the condition of the product based on the degradation of the taggant. A method is provided for monitoring degradation or quality of a product. The method involves adding to the product a taggant in which the taggant exhibits degradation in response to one or more stimuli; and carrying out an immunoassay specific for the taggant to determine degradation of the taggant. The method further involves identifying the condition of the product based on the degradation of the taggant. Lubricating engine oils are provided containing the taggant.

IPC 8 full level

C10L 1/00 (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP US)

C10L 1/003 (2013.01 - EP); **G01N 33/2882** (2013.01 - EP); **G01N 33/2888** (2013.01 - EP); **G01N 33/54388** (2021.08 - US); **G01N 33/558** (2013.01 - EP)

Citation (search report)

See references of WO 2016106214A1

Citation (examination)

US 5984983 A 19991116 - ASGAONKAR ANJALI [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016106214 A1 20160630; EP 3237904 A1 20171101; SG 11201702860W A 20170728

DOCDB simple family (application)

US 2015067101 W 20151221; EP 15825722 A 20151221; SG 11201702860W A 20151221