Title (en)
METHOD FOR TREATING A GASOLINE

Title (de)
AUFBEREITUNGSVERFAHREN EINER ESSENZ

Title (fr)
PROCEDE DE TRAITEMENT D'UNE ESSENCE

Publication
EP 3228683 B1 20181017 (FR)

Application
EP 17158630 A 20170301

Priority
FR 1653105 A 20160408

Abstract (en)
[origin: CN107267209A] The invention discloses a process for the treatment of a gasoline. The invention relates to a process for the treatment of a gasoline containing sulphur-containing compounds, olefins and diolefins, the process comprising the following steps: a) fractionating the gasoline in a manner such as to recover at least one intermediate gasoline cut, MCN, comprising hydrocarbons and wherein the temperature difference ([delta]T) between the 5% and 95% by weight distillation points is less than 60 DEG C; b) desulphurizing the intermediate gasoline cut MCN alone and in the presence of a hydrodesulphurization catalyst and hydrogen in a manner such as to produce a partially desulphurized intermediate gasoline cut MCN; and c) fractionating, in a splitter, the at least partially desulphurized intermediate gasoline cut MCN which has not undergone catalytic treatment subsequent to step b), in a manner such as to recover an intermediate gasoline with low sulphur and mercaptans contents from the column head and a cut of hydrocarbons containing sulphur-containing compounds including mercaptans from the column bottom.

IPC 8 full level
C10G 45/02 (2006.01); **C10G 65/04** (2006.01); **C10G 65/16** (2006.01)

CPC (source: BR CN EP RU US)
C10G 45/02 (2013.01 - EP RU US); **C10G 65/04** (2013.01 - EP RU US); **C10G 65/06** (2013.01 - BR); **C10G 65/16** (2013.01 - EP RU US); **C10G 67/02** (2013.01 - CN EP US); C10G 2300/1044 (2013.01 - BR); C10G 2300/202 (2013.01 - BR CN EP US); C10G 2300/4081 (2013.01 - BR); C10G 2400/02 (2013.01 - BR CN EP US)

Cited by
CN112236501A

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

DOCDB simple family (publication)
EP 3228683 A1 20171011; **EP 3228683 B1 20181017**; AR 108088 A1 20180718; BR 102017006665 A2 20171017; BR 102017006665 B1 20220927; CN 107267209 A 20171020; CN 107267209 B 20210713; ES 2706999 T3 20190402; FR 3049955 A1 20171013; FR 3049955 B1 20180406; MX 2017004277 A 20180816; PL 3228683 T3 20190531; PT 3228683 T 20190129; RU 2017111569 A 20181008; RU 2017111569 A3 20200420; RU 2731566 C2 20200904; SA 117380578 B1 20210324; US 10377957 B2 20190813; US 2017292080 A1 20171012

DOCDB simple family (application)
EP 17158630 A 20170301; AR P170100848 A 20170404; BR 102017006665 A 20170331; CN 201710224438 A 20170407; ES 17158630 T 20170301; FR 1653105 A 20160408; MX 2017004277 A 20170331; PL 17158630 T 20170301; PT 17158630 T 20170301; RU 2017111569 A 20170406; SA 117380578 A 20170406; US 201715479760 A 20170405