

Title (en)

ODORISATION OF FUEL GAS WITH LOW-SULPHUR CONTENT ODORISERS

Title (de)

ODORIERUNG VON BRENNGAS MIT SCHWEFELARMEN ODORIERMITTELN

Title (fr)

ODORISATION DE GAZ COMBUSTIBLE A L'AIDE D'ODORISANTS PAUVRES EN SOUFRE

Publication

EP 1694801 B1 20110323 (DE)

Application

EP 04804632 A 20041201

Priority

- EP 2004053202 W 20041201
- DE 10359743 A 20031219

Abstract (en)

[origin: US2009064585A1] The use is described of a mixture containing A) at least two different acrylic acid C1-C6 alkyl esters; B) at least one compound from the group comprising C1-C8 mercaptans, C4-C12 thiophenes, C2-C8 sulfides or C2-C8 disulfides; C) at least one compound from the group comprising norbornenes, C1-C5 carboxylic acids, C1-C8 aldehydes, C6-C14 phenols, C7-C14 anisoles or C4-C14 pyrazines; D) optionally an antioxidant for the odorisation of fuel gas having a methane content of at least 60 wt. %. Corresponding fuel gases and processes for the odorisation of fuel gases are also described.

IPC 8 full level

C10L 3/00 (2006.01)

CPC (source: EP US)

C10L 3/006 (2013.01 - EP US)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005061680 A1 20050707; AT E502994 T1 20110415; AU 2004303520 A1 20050707; CA 2550273 A1 20050707; CN 1898366 A 20070117; DE 10359743 A1 20050714; DE 502004012336 D1 20110505; EP 1694801 A1 20060830; EP 1694801 B1 20110323; JP 2007515520 A 20070614; MX PA06006895 A 20060904; RU 2006126094 A 20080210; US 2009064585 A1 20090312

DOCDB simple family (application)

EP 2004053202 W 20041201; AT 04804632 T 20041201; AU 2004303520 A 20041201; CA 2550273 A 20041201; CN 200480038014 A 20041201; DE 10359743 A 20031219; DE 502004012336 T 20041201; EP 04804632 A 20041201; JP 2006544413 A 20041201; MX PA06006895 A 20041201; RU 2006126094 A 20041201; US 59658004 A 20041201