

Title (en)

METHOD AND DEVICE FOR DETERMINING THE LOW TEMPERATURE STABILITY OF A HYDROCARBON MIXTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER STABILITÄT EINES GEMISCHES VON KOHLENWASSERSTOFFEN BEI NIEDRIGER TEMPERATUR

Title (fr)

PROCEDE ET DISPOSITIF DE DETERMINATION DE LA STABILITE A BASSE TEMPERATURE D'UN MELANGE HYDROCARBONE

Publication

EP 0895586 A1 19990210 (FR)

Application

EP 98912549 A 19980226

Priority

- FR 9800373 W 19980226
- FR 9702366 A 19970227

Abstract (en)

[origin: US6076961A] PCT No. PCT/FR98/00373 Sec. 371 Date Mar. 16, 1999 Sec. 102(e) Date Mar. 16, 1999 PCT Filed Feb. 26, 1998 PCT Pub. No. WO98/38488 PCT Pub. Date Sep. 3, 1998The invention concerns a method for determining the temperature stability of a hydrocarbon mixture capable of phase separation by monitoring the weight variations of a gravimetric sensor part of which is immersed in said mixture. The method consists in: a first step of accelerated cooling of said mixture to a predetermined temperature; and a second step during which said mixture is maintained at this temperature, the time-dependent variation curve of said weight enabling the determination of the resulting solid mass and the separation speed of the two phases by determining the slope of this curve, the stability of said mixture being obtained by comparison with hydrocarbon mixtures of which the stability in time at low temperature between 0 and -30 DEG C. has been controlled.

IPC 1-7

G01N 5/00; **G01N 25/04**; **G01N 33/28**

IPC 8 full level

G01N 25/02 (2006.01); **G01N 5/00** (2006.01); **G01N 5/04** (2006.01); **G01N 25/04** (2006.01); **G01N 33/22** (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP KR US)

G01N 5/00 (2013.01 - EP KR US)

Citation (search report)

See references of WO 9838488A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

US 6076961 A 20000620; AT E248362 T1 20030915; AU 6734398 A 19980918; AU 736589 B2 20010802; BG 103710 A 20000428; BR 9807870 A 20000222; CA 2282665 A1 19980903; CN 1113231 C 20030702; CN 1251169 A 20000419; DE 69817537 D1 20031002; EE 9900374 A 20000417; EP 0895586 A1 19990210; EP 0961924 A1 19991208; EP 0961924 B1 20030827; FR 2760091 A1 19980828; FR 2760091 B1 19991015; GE P20022643 B 20020225; HU P0001252 A2 20000928; HU P0001252 A3 20010928; ID 22968 A 19991223; JP 2000510247 A 20000808; JP 2001513199 A 20010828; KR 20000065059 A 20001106; KR 20000075499 A 20001215; NZ 337377 A 20010427; PL 335285 A1 20000410; RU 2189026 C2 20020910; SK 117299 A3 20000516; TR 199902080 T2 20000221; UA 48300 C2 20020815; US 6347884 B1 20020219; WO 9838488 A1 19980903; WO 9838489 A1 19980903

DOCDB simple family (application)

US 14720199 A 19990316; AT 98912550 T 19980226; AU 6734398 A 19980226; BG 10371099 A 19990902; BR 9807870 A 19980226; CA 2282665 A 19980226; CN 98803466 A 19980226; DE 69817537 T 19980226; EE P9900374 A 19980226; EP 98912549 A 19980226; EP 98912550 A 19980226; FR 9702366 A 19970227; FR 9800373 W 19980226; FR 9800374 W 19980226; GE AP1998005001 A 19980226; HU P0001252 A 19980226; ID 990933 A 19980226; JP 53737798 A 19980226; JP 53737898 A 19980226; KR 19980708619 A 19981027; KR 19997007558 A 19990820; NZ 33737798 A 19980226; PL 33528598 A 19980226; RU 99120397 A 19980226; SK 117299 A 19980226; TR 9902080 T 19980226; UA 99095269 A 19980226; US 36784999 A 19991112