

Title (en)

TWO-COMPONENT FLOW IMPROVER ADDITIVE FOR MIDDLE DISTILLATE FUEL OILS

Publication

EP 0061894 B1 19850911 (EN)

Application

EP 82301556 A 19820324

Priority

GB 8110082 A 19810331

Abstract (en)

[origin: EP0061894A2] Distillate fuels, particularly those having a relatively high final boiling point, are significantly improved in their flow and filterability properties utilising a two component additive consisting of 25 to 95 wt.% preferably 50 to 90 wt.% of C30-C300 oil-soluble nitrogen compound being an amide or amine salt of an aromatic or cycloaliphatic carboxylic acid and 75 to 5 wt.% preferably 10 to 50 wt.% of a certain category of ethylene-vinyl acetate copolymers.

IPC 1-7

C10L 1/14

IPC 8 full level

C10L 1/192 (2006.01); **C10L 1/14** (2006.01); **C10L 1/195** (2006.01); **C10L 1/196** (2006.01); **C10L 1/197** (2006.01); **C10L 1/22** (2006.01);
C10L 1/224 (2006.01); **C10L 1/232** (2006.01); **C10L 10/14** (2006.01)

CPC (source: EP)

C10L 1/143 (2013.01); **C10L 1/146** (2013.01)

Cited by

GB2208517B; DE102004014080A1; US5814110A; EP0203812A1; EP0261958A3; EP0261959A3; EP0104015A3; US4537602A; GB2435884A; US6010989A; US5998530A; EP2230226A1; AT394569B; EP0155807A3; EP0156577A3; EP0113581A1; EP0217602A1; US4802892A; EP0153176A3; EP0153177A3; GB2231584A; GB2231584B; US4569679A; AT394568B; US8133852B2; US10308593B2; US7550019B2; US7815696B2; WO8802393A3; US8283298B2; WO9314178A1; WO8802394A3; US7713315B2; US8298402B2; US7435271B2; US7041738B2; EP3885424A1; WO2021190793A1; WO2021190794A1; US11993756B2; EP0857776A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0061894 A2 19821006; **EP 0061894 A3 19830119**; **EP 0061894 B1 19850911**; AT E15496 T1 19850915; AU 547501 B2 19851024; AU 8218382 A 19821007; BG 60057 B2 19930830; CA 1182641 A 19850219; CS 275637 B6 19920318; CS 8202251 A2 19910411; DD 208170 A5 19840328; DE 3266117 D1 19851017; GB 2095698 A 19821006; HU 199552 B 19900228; IN 158487 B 19861122; JP H02289686 A 19901129; JP H0258318 B2 19901207; JP H0353355 B2 19910814; JP S581792 A 19830107; MX 160804 A 19900525; MX 172089 B 19931202; PL 129941 B1 19840630; PL 235709 A1 19821025; RU 2017794 C1 19940815; SG 58888 G 19890310; YU 45106 B 19920310; YU 70082 A 19850320

DOCDB simple family (application)

EP 82301556 A 19820324; AT 82301556 T 19820324; AU 8218382 A 19820330; BG 5604282 A 19820331; CA 399828 A 19820330; CS 225182 A 19820330; DD 23856682 A 19820330; DE 3266117 T 19820324; GB 8208629 A 19820324; HU 98882 A 19820331; IN 403DE1982 A 19820527; JP 5363182 A 19820331; JP 9613990 A 19900411; MX 1634882 A 19820326; MX 19200382 A 19820326; PL 23570982 A 19820330; SG 58888 A 19880909; SU 3413952 A 19820330; YU 70082 A 19820331