

Title (en)
Gasoline additive concentrate

Title (de)
Benzinzusatzkonzentrat

Title (fr)
Concentré additif pour essence

Publication
EP 0780460 B1 20010627 (EN)

Application
EP 96309357 A 19961220

Priority
US 57765895 A 19951222

Abstract (en)
[origin: EP0780460A1] The present invention is a gasoline additive concentrate which remains liquid at low temperatures of about 0 DEG F which contains a fatty acid, ester or mixtures thereof in combination with an alcohol, an amine or a mixture thereof.

IPC 1-7
C10L 1/14

IPC 8 full level
C10L 1/14 (2006.01); **C10L 10/04** (2006.01); **C10L 1/16** (2006.01); **C10L 1/18** (2006.01); **C10L 1/22** (2006.01)

IPC 8 main group level
C10L (2006.01)

CPC (source: EP)
C10L 1/14 (2013.01); **C10L 1/143** (2013.01); **C10L 10/08** (2013.01); **C10L 1/1608** (2013.01); **C10L 1/1616** (2013.01); **C10L 1/1824** (2013.01); **C10L 1/1881** (2013.01); **C10L 1/1883** (2013.01); **C10L 1/1888** (2013.01); **C10L 1/19** (2013.01); **C10L 1/1905** (2013.01); **C10L 1/2222** (2013.01); **C10L 1/2225** (2013.01); **C10L 1/238** (2013.01); **C10L 1/2383** (2013.01)

Cited by
EP0869163A1; US6129772A; EP1801188A3; EP1803791A3; EP1209215A3; US8518129B2; WO2017144378A1; US6203584B1; US8741002B2; USRE40758E; WO0151592A1; WO2010136436A1; WO0138461A1; WO9936489A1; WO02055636A1; US7850744B2; US8814957B2; US9163196B2; US9175241B2; US9193934B2; US10190071B2

Designated contracting state (EPC)
AT BE CH DE FI FR GB IT LI LU NL

DOCDB simple family (publication)
EP 0780460 A1 19970625; EP 0780460 B1 20010627; AT E202595 T1 20010715; DE 69613549 D1 20010802; DE 69613549 T2 20011025; NO 315126 B1 20030714; NO 970968 D0 19970303; NO 970968 L 19980904

DOCDB simple family (application)
EP 96309357 A 19961220; AT 96309357 T 19961220; DE 69613549 T 19961220; NO 970968 A 19970303