

Title (en)  
Fuel oils and their application.

Title (de)  
Kraftstoffe und ihre Verwendung.

Title (fr)  
Carburants et leur utilisation.

Publication  
**EP 0012345 A1 19800625 (DE)**

Application  
**EP 79104931 A 19791205**

Priority  
DE 2854540 A 19781216

Abstract (en)  
[origin: US4297107A] A fuel especially a fuel for an automobile, internal combustion engine or a diesel engine comprising a hydrocarbon water and emulsifier wherein the emulsifier is a non-ionic emulsifier and comprises the addition product of ethylene oxide or propylene oxide and a carboxylic acid amide with 9 to 21 carbon atoms.

Abstract (de)  
Die Erfindung betrifft Kraftstoffe für Verbrennungsmaschinen wie Otto- und Dieselmotoren sowie Rotationskolbenmaschinen und Turbinen, die in den für die jeweiligen Aggregate üblichen Treibstoffen Emulgatoren bzw. Emulgatormischungen und Wasser sowie gegebenenfalls Alkohole enthalten.

IPC 1-7  
**C10L 1/32**; **C10L 1/10**

IPC 8 full level  
**C10L 1/22** (2006.01); **C10L 1/32** (2006.01); **C10L 10/18** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)  
**C10L 1/328** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **Y10S 516/01** (2013.01 - EP US)

Citation (search report)  
• [X] US 3876391 A 19750408 - MCCOY FREDERIC C, et al  
• [X] JAPANESE PATENTS GAZETTE, Teil I Chemical, Woche X25, 28. Juli 1976 Derwent Publ. Ltd. London, GB, MITSUBISHI OIL K.K.: "Smoke inhibiting fuel compsn-contg dispersed phase aq hydrocarbond acid monionic surfactant" & JP-A-49 124102.

Cited by  
DE3628504A1; EP0957152A4; US4465494A; EP1273652A1; GB2276175A; US5437693A; EP0049921A1; FR2480775A1; WO9856878A1; WO9952996A1; WO9952994A1; WO8804311A1; EP1344756A1; WO0069999A1; EP3425517B1

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

DOCDB simple family (publication)  
**EP 0012345 A1 19800625**; **EP 0012345 B1 19820623**; AT E1247 T1 19820715; AU 5392579 A 19800619; BR 7908185 A 19800722; CA 1137751 A 19821221; DD 147854 A5 19810422; DE 2854540 A1 19800626; DE 2963192 D1 19820812; JP S5582191 A 19800620; US 4297107 A 19811027; ZA 796799 B 19801231

DOCDB simple family (application)  
**EP 79104931 A 19791205**; AT 79104931 T 19791205; AU 5392579 A 19791217; BR 7908185 A 19791214; CA 341973 A 19791214; DD 21765480 A 19801213; DE 2854540 A 19781216; DE 2963192 T 19791205; JP 16092579 A 19791213; US 9912279 A 19791130; ZA 796799 A 19791214