

Title (en)
IMPROVED TRACTION FLUID.

Title (de)
ANTRIEBSFLÜSSIGKEIT.

Title (fr)
FLUIDE DE TRACTION AMELIORE.

Publication
EP 0339088 A4 19891228 (EN)

Application
EP 87906219 A 19870925

Priority
JP 8700706 W 19870925

Abstract (en)
[origin: EP0339088A1] New traction fluid comprises an ester or its derivs. of formula (I) and 0.1-95 wt.% hydrocarbon polymer or ester polymer. Where A'=-COO- or -OOC-, n=number of 1-14, R1=H or 1-8C alkyl and R2 and R'2 are each independently H or 1-3C alkyl.

IPC 1-7
C10M 105/34; C10M 107/02; C10M 107/28; C10M 111/04; C10N 40/04

IPC 8 full level
C10M 105/34 (2006.01); **C10M 111/04** (2006.01); **C10M 129/70** (2006.01); **C10M 169/04** (2006.01); **C10M 171/00** (2006.01)

CPC (source: EP)
C10M 105/34 (2013.01); **C10M 107/02** (2013.01); **C10M 107/04** (2013.01); **C10M 107/06** (2013.01); **C10M 107/08** (2013.01); **C10M 107/12** (2013.01); **C10M 107/28** (2013.01); **C10M 111/04** (2013.01); **C10M 129/70** (2013.01); **C10M 141/02** (2013.01); **C10M 141/04** (2013.01); **C10M 141/06** (2013.01); **C10M 141/10** (2013.01); **C10M 143/00** (2013.01); **C10M 143/14** (2013.01); **C10M 145/14** (2013.01); **C10M 169/044** (2013.01); **C10M 171/002** (2013.01); **C10M 2205/00** (2013.01); **C10M 2205/02** (2013.01); **C10M 2205/0206** (2013.01); **C10M 2205/022** (2013.01); **C10M 2205/0225** (2013.01); **C10M 2205/024** (2013.01); **C10M 2205/0245** (2013.01); **C10M 2205/026** (2013.01); **C10M 2205/0265** (2013.01); **C10M 2205/04** (2013.01); **C10M 2205/043** (2013.01); **C10M 2205/08** (2013.01); **C10M 2205/14** (2013.01); **C10M 2207/28** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/2815** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/284** (2013.01); **C10M 2207/2845** (2013.01); **C10M 2207/286** (2013.01); **C10M 2209/08** (2013.01); **C10M 2209/084** (2013.01); **C10M 2209/0845** (2013.01); **C10M 2209/0863** (2013.01); **C10N 2020/01** (2020.05); **C10N 2030/08** (2013.01); **C10N 2040/00** (2013.01); **C10N 2040/02** (2013.01); **C10N 2040/04** (2013.01); **C10N 2040/042** (2020.05); **C10N 2040/044** (2020.05); **C10N 2040/046** (2020.05); **C10N 2040/06** (2013.01); **C10N 2040/12** (2013.01); **C10N 2040/13** (2013.01); **C10N 2040/30** (2013.01); **C10N 2040/32** (2013.01); **C10N 2040/34** (2013.01); **C10N 2040/36** (2013.01); **C10N 2040/38** (2020.05); **C10N 2040/40** (2020.05); **C10N 2040/42** (2020.05); **C10N 2040/44** (2020.05); **C10N 2040/50** (2020.05)

Citation (search report)
• [E] EP 0275313 A1 19880727 - TOA NENRYO KOGYO KK [JP]
• [E] EP 0275315 A1 19880727 - TOA NENRYO KOGYO KK [JP]
• [E] WO 8707634 A1 19871217 - TOA NENRYO KOGYO KK [JP]
• [E] WO 8707636 A1 19871217 - TOA NENRYO KOGYO KK [JP]
• [X] US 3440894 A 19690429 - HAMMANN WILLIAM C, et al
• [X] DE 2133584 A1 19720203
• [E] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 103 (C-485), 5th April 1988; & JP-A-62 230 895 (TOA NENRYO KOGYO K.K.) 09-10-1987
• [X] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 394 (C-465), 23rd December 1987; & JP-A-62 153 393 (TOA NENRYO K.K.) 08-07-1987
• [Y] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 13 (C-397), 14th January 1987; & JP-A-61 188 495 (TOA NENRYO KOGYO K.K.) 22-08-1986
• See references of WO 8902911A1

Cited by
WO2006083632A1; EP0471266A1; AU2006211446B2; WO2004026797A2; US7732389B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0339088 A1 19891102; EP 0339088 A4 19891228; EP 0339088 B1 19930421; DE 3785586 D1 19930527; DE 3785586 T2 19930923; WO 8902911 A1 19890406

DOCDB simple family (application)
EP 87906219 A 19870925; DE 3785586 T 19870925; JP 8700706 W 19870925