

Title (en)

Multipurpose functional fluid for agricultural machinery or construction machinery

Title (de)

Mehrzwecke funktionelle Flüssigkeit für landwirtschaftliche Maschine oder Baumaschine

Title (fr)

Fluide fonctionnel à usage multiple pour machine agricole ou engin de construction

Publication

EP 1174487 A3 20020206 (EN)

Application

EP 01117840 A 19941013

Priority

- EP 94307536 A 19941013
- JP 28178193 A 19931015

Abstract (en)

[origin: EP1174487A2] A biodegradable multipurpose functional fluid for agricultural or construction machinery, comprising a base oil, a detergent-dispersant and an antioxidant (and a viscosity index improver if desired), in which the base oil is a fatty acid triester of trimethylolpropane obtained from a fatty acid derived from a coconut oil which has been adjusted to have a stearic acid content of from 10% to 20% by weight.

IPC 1-7

C10M 105/38; **C10M 169/04**

IPC 8 full level

C10M 105/38 (2006.01); **C10M 169/04** (2006.01)

CPC (source: EP)

C10M 105/38 (2013.01); **C10M 169/045** (2013.01); **C10M 169/048** (2013.01); **C10M 2207/023** (2013.01); **C10M 2207/026** (2013.01); **C10M 2207/027** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/146** (2013.01); **C10M 2207/16** (2013.01); **C10M 2207/26** (2013.01); **C10M 2207/262** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/2835** (2013.01); **C10M 2207/286** (2013.01); **C10M 2209/084** (2013.01); **C10M 2219/044** (2013.01); **C10M 2219/046** (2013.01); **C10M 2219/089** (2013.01); **C10M 2223/045** (2013.01); **C10M 2223/065** (2013.01); **C10N 2040/08** (2013.01); **C10N 2040/34** (2013.01); **C10N 2040/50** (2020.05)

Citation (search report)

- [A] US 4832860 A 19890523 - KATAFUCHI TADASHI [JP], et al
- [A] US 4263159 A 19810421 - BERENS GEORGE, et al
- [A] DATABASE WPI Week 199046, Derwent World Patents Index; AN 1990-344673, XP002184993

Cited by

CN107236591A

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 1174487 A2 20020123; **EP 1174487 A3 20020206**; **EP 1174487 B1 20030806**; DE 69433027 D1 20030911; DE 69433027 T2 20040122

DOCDB simple family (application)

EP 01117840 A 19941013; DE 69433027 T 19941013