

Title (en)

An anti-shudder additive composition and lubricating oil composition containing the same

Title (de)

Schwingungsdämpfende Additivzusammensetzung und Schmierölzusammensetzung diese enthaltend

Title (fr)

Composition d'additif anti-vibratoire et composition d'huile lubrifiante la contenant

Publication

**EP 1674557 A3 20101027 (EN)**

Application

**EP 05257367 A 20051130**

Priority

US 2116604 A 20041221

Abstract (en)

[origin: EP1674557A2] An anti-shudder additive composition comprising at least one neutral phosphite and at least one phosphorous-free hydrocarbyl substituted succinic dispersant selected from the group consisting of a hydrocarbyl bissuccinimide and a hydrocarbyl substituted succinic ester of a polyol and mixtures thereof, wherein the additive is used in transmission fluids to decrease shudder.

IPC 8 full level

**C10M 141/10** (2006.01)

CPC (source: EP US)

**C10M 141/10** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2223/049** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/045** (2020.05 - EP US)

Citation (search report)

- [XII] WO 9827187 A1 19980625 - EXXON CHEMICAL PATENTS INC [US]
- [A] US 2002072478 A1 20020613 - ISHIDA NOBORU [JP], et al
- [A] US 6337309 B1 20020108 - WATTS RAYMOND F [US], et al
- [A] US 6127323 A 20001003 - WATTS RAYMOND FREDERICK [US], et al
- [A] US 5137980 A 19920811 - DEGONIA DAVID J [US], et al

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EP1803796A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1674557 A2 20060628**; **EP 1674557 A3 20101027**; **EP 1674557 B1 20161221**; CA 2530846 A1 20060621; CA 2530846 C 20150714; JP 2006176776 A 20060706; JP 2013216916 A 20131024; JP 5656336 B2 20150121; SG 123702 A1 20060726; SG 144917 A1 20080828; US 2006135375 A1 20060622

DOCDB simple family (application)

**EP 05257367 A 20051130**; CA 2530846 A 20051219; JP 2005367023 A 20051220; JP 2013156848 A 20130729; SG 200507916 A 20051208; SG 2008051393 A 20051208; US 2116604 A 20041221