

Title (en)
AROMATIC IMIDES AS LUBRICANT ADDITIVES

Title (de)
AROMATISCHE IMIDE ALS SCHMIERMITTELZUSÄTZE

Title (fr)
IMIDES AROMATIQUES COMME ADDITIFS DE LUBRIFIANT

Publication
EP 2707470 B1 20210421 (EN)

Application
EP 12722998 A 20120508

Priority
• US 201161485247 P 20110512
• US 2012036867 W 20120508

Abstract (en)
[origin: WO2012154708A1] A composition useful as a lubricant for an automatic transmission comprises an oil of lubricating viscosity and a condensation product of an aromatic polycarboxylic acid or mixtures thereof or a reactive equivalent thereof, having at least two carboxylic groups situated so as to permit formation of a cyclic imide having 5 or 6 atoms in said cyclic structure; with an aliphatic primary amine or alcohol, containing 6 to 60 carbon atoms.

IPC 8 full level
C10M 129/72 (2006.01); **C10M 133/16** (2006.01); **C10N 30/06** (2006.01); **C10N 30/12** (2006.01); **C10N 40/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
C10M 129/72 (2013.01 - EP KR US); **C10M 133/16** (2013.01 - EP KR US); **C10M 133/44** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/285** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2215/224** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/02** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2223/06** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/044** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012154708 A1 20121115; AU 2012253694 A1 20131107; AU 2017202845 A1 20170518; AU 2017202845 B2 20190117; BR 112013029108 A2 20170207; CA 2834072 A1 20121115; CN 103534341 A 20140122; CN 103534341 B 20151209; EP 2707470 A1 20140319; EP 2707470 B1 20210421; JP 2014517106 A 20140717; JP 6100243 B2 20170322; KR 101951396 B1 20190222; KR 20140037853 A 20140327; US 2014107001 A1 20140417

DOCDB simple family (application)
US 2012036867 W 20120508; AU 2012253694 A 20120508; AU 2017202845 A 20170428; BR 112013029108 A 20120508; CA 2834072 A 20120508; CN 201280023079 A 20120508; EP 12722998 A 20120508; JP 2014510401 A 20120508; KR 20137031234 A 20120508; US 201214116395 A 20120508