

Title (en)
TRANSMISSION FLUID

Title (de)
GETRIEBEFLÜSSIGKEIT

Title (fr)
LIQUIDE POUR BOÎTE DE VITESSES

Publication
EP 3031887 A4 20170412 (EN)

Application
EP 14842020 A 20140908

Priority
• JP 2013186767 A 20130909
• JP 2014073695 W 20140908

Abstract (en)
[origin: EP3031887A1] A transmission fluid contains a base oil and calcium carbonate. The calcium carbonate is dispersed in a form of aggregations in the transmission fluid. A ratio of the aggregations having a particle diameter of 200 nm or more is in a range from 10 mass% to 35 mass% in terms of calcium based on a total amount of the aggregations. A base value of the transmission fluid is in a range from 0.5 mgKOH/g to 4 mgKOH/g by a hydrochloric acid method.

IPC 8 full level
C10M 125/10 (2006.01); **C10M 107/02** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10M 169/04** (2006.01); **C10N 10/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 20/06** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)
C10M 105/04 (2013.01 - US); **C10M 135/10** (2013.01 - US); **C10M 159/22** (2013.01 - EP US); **C10M 159/24** (2013.01 - EP US); **C10M 169/04** (2013.01 - US); **C10M 169/042** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP); **C10N 2020/06** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/045** (2020.05 - EP US)

Citation (search report)
• [A] US 2005026790 A1 20050203 - KOMATSUBARA HITOSHI [JP], et al
• [A] US 2008096777 A1 20080424 - COSTELLO MICHAEL T [US], et al
• See references of WO 2015034091A1

Cited by
EP3034585A1

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)
EP 3031887 A1 20160615; **EP 3031887 A4 20170412**; JP WO2015034091 A1 20170302; US 2016201003 A1 20160714; WO 2015034091 A1 20150312

DOCDB simple family (application)
EP 14842020 A 20140908; JP 2014073695 W 20140908; JP 2015535548 A 20140908; US 201414912507 A 20140908