

Title (en)
FUEL COMPOSITION

Title (de)
KRAFTSTOFFZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE CARBURANT

Publication
EP 2197989 A4 20110810 (EN)

Application
EP 08730077 A 20080218

Priority
• US 2008054204 W 20080218
• US 97555307 P 20070927

Abstract (en)
[origin: WO2009042242A1] A fuel composition includes a lower alkyl monool(s) and C2-C6 esters of one or more long chain fatty acids. Generally, C, H and O atoms constitute at least 99.99% (by wt.) of the composition, and the composition can be essentially free of sulfur and/or nitrogen atoms. The composition can be provided by adjusting to less than 7.0 the pH of a liquid that contains at least one C2-C6 ester of one or more long chain fatty acids. The C2-C6 ester(s) can be provided by transesterification of a triglyceride-containing composition using a C2-C6 monool, which preferably is present in stoichiometric excess.

IPC 8 full level
C10L 1/18 (2006.01); **C10L 1/02** (2006.01)

CPC (source: EP US)
C10G 45/02 (2013.01 - EP US); **C10L 1/026** (2013.01 - EP US); **C10L 1/10** (2013.01 - EP US); **C10L 10/00** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US); **C11C 3/003** (2013.01 - EP US); **C10L 1/125** (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)
• [Y] US 2005108927 A1 20050526 - VELAPPAN KANDUKALPATTI C [IN], et al
• [XY] JP 2005060587 A 20050310 - DAIKI KK
• [A] SHI X ET AL: "Emission reduction potential of using ethanol-biodiesel-diesel fuel blend on a heavy-duty diesel engine", ATMOSPHERIC ENVIRONMENT, PERGAMON, GB, vol. 40, no. 14, 1 May 2006 (2006-05-01), pages 2567 - 2574, XP025247693, ISSN: 1352-2310, [retrieved on 20060501], DOI: 10.1016/J.ATMOENV.2005.12.026
• [X] DATABASE WPI Week 200727, Derwent World Patents Index; AN 2007-273106, XP002640832
• See references of WO 2009042242A1

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DOCDB simple family (publication)
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