

Title (en)

AIRCRAFT TURBINE OIL BASE STOCK AND METHOD OF MAKING

Title (de)

ÖLGRUNDSTOFF FÜR FLUGZEUGTURBINE UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

STOCK DE BASE D'HUILE DE TURBINE D'AÉRONEF ET PROCÉDÉ DE FABRICATION

Publication

EP 3559175 A1 20191030 (EN)

Application

EP 17822993 A 20171214

Priority

- US 201662437829 P 20161222
- US 2017066268 W 20171214

Abstract (en)

[origin: US2018179463A1] Provided is a polyol ester base stock composition with reduced odor and volatility. The polyol ester back stock composition does not include C5 acid. More particularly, the polyol ester base stock includes the reaction product of: (a) a polyol represented by the formula R(OH)_n wherein R is an aliphatic or a cyclo-aliphatic hydrocarbyl group and n is at least 2, and (b) a mixture of monocarboxylic acids comprising at least one linear acid selected from the group consisting of between C6 to C10 acids and at least one branched C6 acid, wherein the amount of C6 to C10 acids is at least 55 wt. % and the amount of the at least one branched C6 acid is 45 wt. % or less, based upon the total amount of said mixture of monocarboxylic acids. The polyol ester base stock is particularly suited for aviation turbine oils.

IPC 8 full level

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

CPC (source: EP US)

C07C 69/33 (2013.01 - EP US); **C10M 105/38** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 169/042** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2211/0445** (2013.01 - EP US); **C10M 2223/0405** (2013.01 - EP US); **C10M 2229/025** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/069** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/74** (2020.05 - EP US); **C10N 2040/13** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2018118610A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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