

Title (en)

PROCESS TO PREPARE JET FUELS AND ITS PRODUCTS

Title (de)

VERFAHREN ZUM HERSTELLEN VON STRAHLENBRENNSTOFFEN UND PRODUKTE

Title (fr)

PROCÉDÉ DE PRÉPARATION DE CARBURANTS D'AVIATION ET SES PRODUITS

Publication

**EP 2586852 A1 20130501 (EN)**

Application

**EP 12190006 A 20121025**

Priority

US 201161551088 P 20111025

Abstract (en)

A jet fuel containing a major amount of a synthetic paraffinic kerosene fuel component is provided by: a) providing a synthetic paraffinic kerosene fuel component in the jet boiling range having at least 99.5wt% hydrocarbon, said hydrocarbon being at least 98.5wt% paraffins, less than 1wt% bicyclic compounds, and less than 0.5wt% total aromatics as measured by ASTM D2425; b) providing a petroleum-based jet fuel component in the jet boiling range; c) providing pinane; and d) blending component a), b) and c), wherein component c) is present in an amount of 5 to 40 weight percent, based on the blend, and component a) and b) are in a ratio of greater than 1 to 1 thereby providing a jet fuel blend having a density of from 775 to 840 kg/m<sup>3</sup>.

IPC 8 full level

**C10L 1/04** (2006.01)

CPC (source: EP US)

**C10L 1/04** (2013.01 - EP US); **C10L 1/1608** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10G 2400/08** (2013.01 - EP US); **C10L 2200/043** (2013.01 - EP US); **C10L 2200/0492** (2013.01 - EP US); **C10L 2270/04** (2013.01 - EP US)

Citation (applicant)

- GB 2077289 B 19830602 - SHELL INT RESEARCH
- EP 0147873 A1 19850710 - SHELL INT RESEARCH [NL]
- EP 0583836 A1 19940223 - SHELL INT RESEARCH [NL]
- "Evaluation of Bio-Derived Synthetic Paraffinic Kerosene (Bio-SPK)", June 2009, THE BOEING COMPANY

Citation (search report)

- [A] US 2011230686 A1 20110922 - RUSEK JOHN J [US], et al
- [A] US 2010281845 A1 20101111 - RENNINGER NEIL STEPHEN [US], et al
- [A] US 3441497 A 19690429 - BOODMAN NORMAN S, et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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