



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 78 85 80

Classification of the application (IPC):

C10L 1/10, C10L 1/02, C10L 1/12, C10L 1/182, C10L 1/185, C10L 1/19, C10L 1/24

Technical fields searched (IPC):

C10L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	RAMACHANDER J ET AL: "Performance and Emission Reduction Characteristics of Metal Based SiO₂ Nanoparticle Additives Blended with Ternary Fuel (Diesel-MME-Pentanol) on CRDI Diesel Engine" <i>SILICON, SPRINGER, DORDRECHT</i>, 01 March 2021 (2021-03-01), vol. 14, no. 5, DOI: 10.1007/S12633-021-01024-4, ISSN: 1876-990X, pages 2249-2263, XP037731788 * abstract; item 2.2, 2.3, 5; tab. 1 *	1-15
A	venu HARISH ET AL: "Effect of diethyl ether and Al₂O₃ nano additives in diesel-biodiesel-ethanol blends: Performance, combustion and emission characteristics" <i>JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, SPRINGER, DE</i>, 17 January 2017 (2017-01-17), vol. 31, no. 1, DOI: 10.1007/S12206-016-1243-X, ISSN: 1738-494X, pages 409-420, XP036135457 * abstract; item 2.1, 4 *	1-15
A	SOUDAGAR MANZOORE ELAHI M. ET AL: "Study of diesel engine characteristics by adding nanosized zinc oxide and diethyl ether additives in Mahua biodiesel-diesel fuel blend" <i>SCIENTIFIC REPORTS US</i> 18 September 2020 (2020-09-18), vol. 10, no. 1 URL: https://www.nature.com/articles/s41598-020-72150-z , ISSN: 2045-2322, XP093138151 * abstract; fig. 11; p. 8, 12-13 *	1-15
A	AL-HARTOMY OMAR A ET AL: "Combined effect of Phoenix dactylifera biodiesel and multiwalled carbon nanotube-titanium dioxide nanoparticles for modified diesel engines" <i>INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, CENTER FOR ENVIRONMENT AND ENERGY RESEARCH AND STUDIES (CEEERS), IR</i>, 03 February 2021 (2021-02-03), vol. 19, no. 1, DOI: 10.1007/S13762-021-03152-1, ISSN: 1735-1472, pages 515-540, XP037657725 * abstract; tab. 5; p. 521 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 06 March 2024	Examiner Greß, Tobias
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CATEGORY OF CITED DOCUMENTS

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| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
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