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Fuel composition and additive concentrates, and their use in inhibiting engine coking.

Coking in and around the injector nozzles of indirect injection compression ignition engines is reduced by means of distillate fuel into which has been blended suitable concentrations of: (a) organic nitrate ignition accelerator, (b) hydrocarbyl amine having from 3 to 60 carbons and from 1 to 10 nitrogens, and (c) N,N'-disalicylidene-1,2-diaminopropane.

Additive concentrates can be formulated using such additive combinations.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-4 208 190 (R.E. MALEC) * Claims 1-12; column 2, line 26 - column 3, line 12; column 1, line 33 - column 2, line 25 *	1-6, 9, 10	C 10 L 1/22
A	US-A-3 701 641 (M.S. RAKOW) * Claims 1-6 *	1, 6, 7, 10	
A	US-A-3 490 882 (W.P. DUNWORTH) * Claims 1-9 *	1, 6, 7, 10	
A	US-A-2 768 884 (R.G. ROWERS) * Claims 1-9 *	1, 6, 7, 10	
A	US-A-3 709 668 (A.A. ZIMMERMAN) * Claims 1-8 *	6, 7	C 10 L
A	US-A-2 945 749 (H.J. ANDRESS) * Claims 1-7 *	3-5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-10-1987	Examiner RO TSAERT L.D.C.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	