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(54) Title: METHOD OF MANUFACTURING ALKYLATED PHENYLNAPHTHYLAMINE COMPOSITIONS; AND PRODUCTS

(57) Abstract: A method for manufacturing an alkylated phenylnaphthylamine composition includes alkylating nonalkylated phenylnaphthylamine with olefin in the presence of clay catalyst without subsequent removal of nonalkylated phenylnaphthylamine and polyalkylated phenylnaphthylamine. Suitable nonalkylated phenylnaphthylamines include N-phenyl-1-naphthylamine, its derivatives, and mixtures thereof. The alkylated phenylnaphthylamine compositions can be used in antioxidant and lubricant compositions.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/24500

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C209/60 C10M133/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C10M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 232 154 A (NIPPON OIL CO LTD) 12 August 1987 (1987-08-12) page 7-12; claims	1-20
A	WO 95 16765 A (GOODRICH CO B F) 22 June 1995 (1995-06-22) cited in the application page 1-10; claims	1, 11, 16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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