(A1)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

162162

(43) International Publication Date
1 August 2002 (01.08.2002)

PCT

(10) International Publication Number
WO 02/059240 A2

(51) International Patent Classification[7]: C10M

(21) International Application Number: PCT/IB01/02860

(22) International Filing Date: 5 December 2001 (05.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/746,038 22 December 2000 (22.12.2000) US

(71) Applicant: INFINEUM INTERNATIONAL LIMITED [GB/GB]; P.O. Box 1, Abingdon, Oxfordshire OX13 6BB (GB).

(72) Inventors: GUTIERREZ, Antonio; 22 Tar Heels Road, Mercerville, NJ 08619 (US). STEVENS, Mark, G.; 91 Main Street, Metuchen, NJ 08840 (US). BLOCH, Ricardo, A.; 1532 Ashbrook Drive, Scotch Plains, NJ 07076 (US). KLEIST, Robert, A.; 297 Avenue C, Bayonne, NJ 07002 (US).

(81) Designated States *(national)*: CA, CN, JP, SG.

(84) Designated States *(regional)*: European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

Published:
— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

G00002

WO 02/059240 A2

(54) Title: HYDROXY AROMATIC MANNICH BASE CONDENSATION PRODUCTS AND THE USE THEREOF AS SOOT DISPERSANTS IN LUBRICATING OIL COMPOSITIONS

(57) Abstract: Low molecular weight Mannich base condensates of hydroxy aromatic compounds, an aldehyde; and an amine, wherein the combined number of substituent carbon atoms does not exceed 80. Such compounds are useful as soot dispersants in lubricating oils when used alone, or in combination with high molecular weight dispersants.