

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

(19) World Intellectual Property Organization
International Bureau



162162

(43) International Publication Date
17 January 2002 (17.01.2002)

PCT

(10) International Publication Number
WO 02/04579 A1

(51) International Patent Classification⁷: **C10M 119/24**

Todd, Timothy, 1505 Larchmont Place, Mount Laurel, NJ 08054 (US) **ROOT, Jon, Carl**, 9000 Lee Boulevard, Leawood, KS 66206 (US)

(21) International Application Number: PCT/US01/20752

(22) International Filing Date: 29 June 2001 (29.06.2001)

(74) **Agents: ALLOCCA, Joseph, J.** et al., ExxonMobil Research and Engineering Company, P.O. Box 900, 1545 Route 22 East, Annandale, NJ 08801 (US)

(25) Filing Language: English

(26) Publication Language: English

(81) Designated States (*national*): AU, CA, JP, PL, SG

(30) Priority Data:

60/217,302 11 July 2000 (11.07.2000) US
09/895,907 29 June 2001 (29.06.2001) US

(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)

(71) Applicant: **EXXONMOBIL RESEARCH AND ENGINEERING COMPANY** [US/US], P.O. Box 900, 1545 Route 22 East, Annandale, 08801 (US).

Published:
— with international search report

(72) **Inventors: BAUM, Mark, William**, 9700 North Flora Avenue, Kansas City, MO 64155-2117 (US) **NADASDI,**

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



G00001



WO 02/04579 A1

(54) Title: LUBRICATING GREASE COMPOSITION AND PREPARATION

(57) **Abstract:** A grease composition having low noise characteristics is prepared by shearing a mixture of a base oil and a thickener for a time sufficient to reduce substantially all of the thickener to particles below 500 microns in size, and then processing the sheared mixture to a grease