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(21) International Application Number: PCT/JP99/01880 (22) International Filing Date: 8 April 1999 (08.04.99) (71) Applicants: KABUSHIKI KAISHA KOBE SEIKO SHO [JP/JP]; 3-18, Wakinohamacho 1-chome, Chuo-ku, Kobe-shi, Hyogo-ken 651-0072 (JP). MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: MOTOYUKI, Masahiro; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingomachi 4-chome, Chuo-ku, Osaka-shi, Osaka-fu 541-0051 (JP). YAMAMOTO, Koji; Kobe Corporate Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsukadai 1-chome, Nishi-ku, Kobe-shi, Hyogo-ken 651-2271 (JP). SAPRE, Vishwanath, Ajit; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). McWILLIAMS, Paul, John; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). DONNELLY, Patricia, Susan; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). (74) Agents: KOTANI, Etsuji et al.; Sumisei Naniwasuji Honmachi Building, 3-2, Usubohonmachi 2-chome, Nishi-ku, Osaka-shi, Osaka-fu 550-0004 (JP).		(81) Designated States: CA, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.
(54) Title: PROCESS FOR PREPARING 2,6-DIALKYLNAPHTALENE <pre> graph LR F1[Feedstock NL, MAN, DAN, PAN] --> I1((I) Separation) F2[Feedstock NL, MAN, DAN, PAN] --> I1 I1 --> L[Lights] I1 --> MRS[MAN rich stream] I1 --> NRS[NL rich stream] I1 --> DRS[DAN rich stream] I1 --> PRS[PAN rich stream] MRS --> I4[IV Alkylation] NRS --> I4 A[Alkylating agent] --> I4 I4 --> P1[MAN, DAN, PAN, NL] DRS --> I2[II Separation/Purification] I2 --> P2[2,6-DAN] I2 --> R[Remaining products 2,6-lean-DAN] PRS --> I3[III Dealkylation] I3 --> I1 </pre> (57) Abstract A process for producing 2,6-dialkyl naphthalene from a hydrocarbon feedstock that contains at least one component selected from the group consisting of dialkyl naphthalene isomers, monoalkyl naphthalene isomers, polyalkyl naphthalenes, and naphthalene, is provided that includes the following steps: I) separating the hydrocarbon feedstock and/or a dealkylation product fed from step III into a naphthalene fraction, a monoalkyl naphthalene fraction, a dialkyl naphthalene fraction and a remaining products fraction; II) separating and purifying 2,6-dialkyl naphthalene from the dialkyl naphthalene fraction of step I; III) dealkylating the hydrocarbon feedstock and/or the remaining products fraction of step I and feeding the dealkylation product to step I; and IV) alkylating the naphthalene and monoalkyl naphthalene fractions of step I; wherein the hydrocarbon feedstock is fed to step I or step III.		