

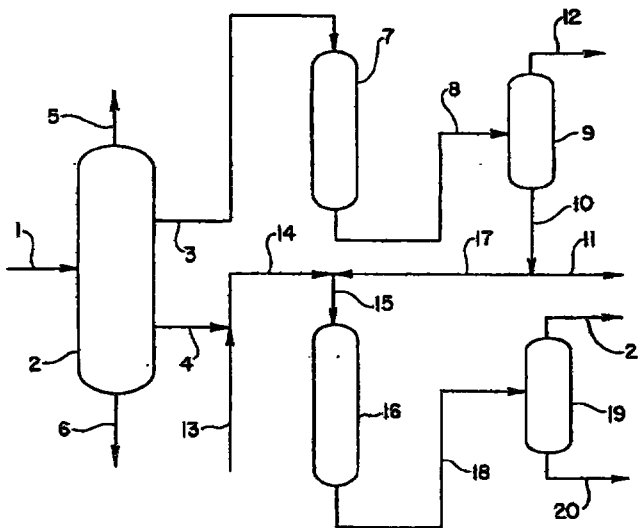
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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C10G 45/00	A2	(11) International Publication Number: WO 00/14182 (43) International Publication Date: 16 March 2000 (16.03.00)
(21) International Application Number: PCT/US99/20268 (22) International Filing Date: 3 September 1999 (03.09.99) (30) Priority Data: 09/150,309 9 September 1998 (09.09.98) US (71) Applicant: BP AMOCO CORPORATION [US/US]; Law Dept., 200 East Randolph Drive, Mail Code 1907A, Chicago, IL 60601 (US). (72) Inventors: ALEXANDER, Bruce, D.; 156 East Sunset Avenue, Lombard, IL 60148 (US). HUFF, George, A.; 823 Morven Court, Naperville, IL 60563 (US). PRADHAN, Vivek, R.; 743 Avondale Lane, Aurora, IL 60504 (US). REAGAN, William, J.; 886 Appomattox Circle, Naperville, IL 60540 (US). CAYTON, Roger, H.; 856 South Wright Street, Naperville, IL 60540 (US). (74) Agent: KRETCHMER, Richard, A.; BP Amoco Corporation, 200 East Randolph Drive, Mail Code 1907A, Chicago, IL 60601 (US).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published Without international search report and to be republished upon receipt of that report.	

(54) Title: SULFUR REMOVAL PROCESS



(57) Abstract

A product of reduced sulfur content is produced from a feedstock which is comprised of a mixture of hydrocarbons and includes sulfur-containing aromatic compounds as unwanted impurities. The process involves separating the feedstock by fractional distillation into a lower boiling fraction which contains the more volatile sulfur-containing aromatic impurities and at least one higher boiling fraction which contains the less volatile sulfur-containing aromatic impurities. Each fraction is then separately subjected to reaction conditions which are effective to convert at least a portion of its content of sulfur-containing aromatic impurities to higher boiling sulfur-containing products by alkylation with an alkylating agent in the presence of an acidic catalyst. The higher boiling sulfur-containing products are removed by fractional distillation.