

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

(19) World Intellectual Property Organization
International Bureau



G00002

(43) International Publication Date
7 March 2002 (07.03.2002)

PCT

(10) International Publication Number
WO 02/18398 A1

(51) International Patent Classification⁷: **C07F 17/02**,
C10M 139/06

(21) International Application Number: PCT/GB01/03897

(22) International Filing Date: 30 August 2001 (30.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
100 43 144.5 31 August 2000 (31.08.2000) DE
0030376.8 13 December 2000 (13.12.2000) GB

(71) Applicant (for all designated States except US): **THE ASSOCIATED OCTEL COMPANY LIMITED** [GB/GB];
Global House, Bailey Lane, Manchester M90 4AA (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COOK, Stephen, Leonard** [GB/GB]; 3 Buckingham Avenue, Vicars Croos, Chester CH3 5JR (GB). **KALISCHEWSKI, Werner** [DE/DE]; Im Stadtsfeld 86, 46282 Dorsten (DE). **LOHMANN, Gabriele** [DE/DE]; Alfred-Seepe-Str. 2, 44532 Lünen (DE). **MARSCHESKI, Armim** [DE/DE]; Föhrenbreide 10, 45721 Haltern (DE).

(74) Agents: **TANNER, James, Percival** et al.; D Young & Co, 21 New Fetter Lane, London EC4A 1DA (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

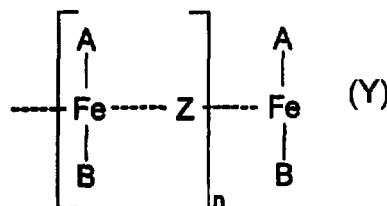
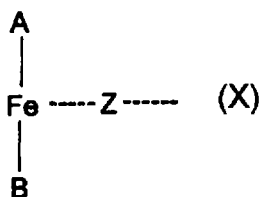
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

— with international search 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.

(54) Title: COMPOSITIONS COMPRISING DIMERIC OR OLIGOMERIC FERROCENES



(57) Abstract: The present invention relates to iron-organo compounds and the use of such compounds in the regeneration of particulate filter traps in combustion systems such as high-compression spontaneous ignition engines. The iron-organo compounds have the formula X-Y where (X) represents the group of formula: (Y) represents the formula: each A and B is independently an unsubstituted or substituted aromatic carbon ring or an unsubstituted or substituted aromatic heterocyclic ring; the or each Z is independently an unsubstituted or substituted divalent hydrocarbyl group; n is 0 or an integer of from 1 to 10.

WO 02/18398 A1