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

(19) World Intellectual Property Organization
International Bureau

G00002

(43) International Publication Date
28 March 2002 (28.03.2002)

PCT

(10) International Publication Number
WO 02/24326 A1

(51) International Patent Classification[7]: B01J 20/22

(21) International Application Number: PCT/US01/29267

(22) International Filing Date:
19 September 2001 (19.09.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/663,966 19 September 2000 (19.09.2000) US

(71) Applicant: **THE SULFATREAT COMPANY** [US/US]; 17998 Chesterfiled Airport Road, Suite 215, Chesterfield, MO 63005 (US).

(72) Inventors: **SCRANTON, Delbert, C., Jr.**; 14596 Whittington Court, Chesterfield, MO 63017 (US). **BRAGA, Thomas, G.**; 4815 Moccasin, St. Louis, MO 63123 (US). **JOHNSON, Alan, D.**; 5 Clein Court, Collinsville, IL 62234 (US). **SAMUELS, Alvin**; 4151 Canal Street, New Orleans, LA 70119 (US).

(74) Agents: **AMJAD, Holly, M.** et al.; Polsinelli Shalton & Welte, P.C., 700 W. 47th Street, Suite 1000, Kansas City, MO 64112-1802 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, 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).

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.

162162

WO 02/24326 A1

(54) Title: COMPRESSED METAL OXIDE COMPOSITION

(57) Abstract: The present invention relates to a compressed metal oxide composition particle comprised of metal oxide and a binder, with the binder preferably being a water insoluble cellulose composition. The present invention also relates to a method for forming a compressed metal oxide composition particle, with the preferred method including compressing a metal oxide and binder mixture to form compressed metal oxide composition particles.