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(21) International Application Number: PCT/US99/22053 (22) International Filing Date: 22 September 1999 (22.09.99) (30) Priority Data: 09/159,809 23 September 1998 (23.09.98) US (71) Applicant: AGRITEC, INC. [US/US]; 1301 McKinney, Houston, TX 77010 (US). (72) Inventor: STEPHENS, Douglas, K.; 1116 Deats Road, Dickinson, TX 77539 (US). (74) Agent: WEILER, James, F.; Suite 1560, 1 Riverway, Houston, TX 77056 (US).		(81) Designated States: AE, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: HIGHLY ACTIVATED CARBON FROM CAUSTIC DIGESTION OF RICE HULL ASH AND METHOD (57) Abstract Disclosed are highly activated carbon particles derived from caustic digestion of rice hull ash obtained from thermal pyrolysis of rice hulls having an iodine number of at least 650 to 1000. The activated carbon pores are free of silicate residue from the caustic digestion. Also disclosed are methods of removing the silicate residue from the caustic silicate solution during digestion effective to substantially improve the activation of the carbon particles to commercial grade.		