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(21) International Application Number: PCT/US99/23367 (22) International Filing Date: 7 October 1999 (07.10.99) (30) Priority Data: 09/169,663 9 October 1998 (09.10.98) US (71) Applicants (for all designated States except US): RAYONIER INC. [US/US]; 4474 Savannah Highway, Jesup, GA 31545 (US). THE UNITED STATES OF AMERICA, as represented by the SECRETARY OF AGRICULTURE [US/US]; 14th Street and Independence Avenue S.W., Washington, DC 20250 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): SEARS, Karl, D. [US/US]; 55 Palm Circle, Jesup, GA 31544 (US). JACOBSON, Rodney, E. [US/US]; 222 Randolph Drive, No. 203 A, Madison, WI 53717 (US). CAULFIELD, Daniel, F. [US/US]; 14 Quinn Circle, Madison, WI 53713 (US). UNDERWOOD, John [US/US]; 112 George T. Morris Circle, St. Simon's Island, GA 31522 (US). (74) Agent: SPATZ, William, J.; Whitman Breed Abbott & Morgan LLP, 200 Park Avenue, New York, NY 10166 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, US, 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.</i> <i>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: COMPOSITES CONTAINING CELLULOSIC PULP FIBERS AND METHODS OF MAKING AND USING THE SAME (57) Abstract Reinforced composites containing cellulosic pulp fibers dispersed in a matrix, wherein the matrix comprises a thermoplastic polymeric material melting above 180 °C and the cellulosic pulp fibers have an alpha-cellulose purity greater than 80 % by weight. Methods of making and using the reinforced composites.		