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(21) International Application Number: PCT/US96/15517 (22) International Filing Date: 27 September 1996 (27.09.96) (30) Priority Data: 08/534,813 27 September 1995 (27.09.95) US 08/534,447 27 September 1995 (27.09.95) US (71) Applicant: 3D SYSTEMS, INC. [US/US]; 26081 Avenue Hall, Valencia, CA 91355 (US). (72) Inventors: EARL, Jocelyn, M.; 6928 Ivins Drive, Frazier Park, CA 93225 (US). MANNERS, Chris, R.; 4337 Riverglen Street, Moorpark, CA 93021 (US). KERESKES, Thomas, A.; 3532 Adamsville Avenue, Calabasas, CA 91302 (US). MARYGOLD, Paul, H.; 1916 Graydon Avenue, Monrovia, CA 91016 (US). THAYER, Jeffrey, S.; 1831 Rocking Horse, Simi Valley, CA 93065 (US). (74) Agents: SMALLEY, Dennis, R. et al.; 26081 Avenue Hall, Valencia, CA 91355 (US).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: METHOD AND APPARATUS FOR DATA MANIPULATION AND SYSTEM CONTROL IN A SELECTIVE DEPOSITION MODELING SYSTEM (57) Abstract A variety of support structures and build styles for use in Rapid Prototyping and Manufacturing systems are described wherein particular emphasis is given to Thermal Stereolithography, Fused Deposition Modeling, and Selective Deposition Modeling systems, and wherein a 3D modeling system is presented which uses multijet dispensing and a single material for both object and support formation.		