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(21) International Application Number: PCT/US96/07161 (22) International Filing Date: 17 May 1996 (17.05.96) (30) Priority Data: 08/449,378 23 May 1995 (23.05.95) US (71) Applicant: THE DOW CHEMICAL COMPANY [US/US]; 2030 Dow Center, Abbott Road, Midland, MI 48640 (US). (72) Inventors: BURTON, Bruce, L.; 55 Flag Court, Lake Jackson, TX 77566 (US). HUNTER, Douglas, L.; R.R. 3, 410 Austin Drive, Angleton, TX 77515 (US). PUCKETT, Paul, M.; 115 Poinciana, Lake Jackson, TX 77566 (US). (74) Agent: MAURER, Charles, J., III; The Dow Chemical Company, Patent Dept., P.O. Box 1967, Midland, MI 48641- 1967 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 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: IMPROVED PROCESS FOR RESIN TRANSFER MOLDING AND FORMULATIONS USEFUL TO PRACTISE THE PROCESS (57) Abstract An improved tackifier for making tackified substrates contains: (a) at least one epoxy resin, and (b) at least one curing agent for the epoxy resin, but (c) no catalytic amount of catalyst for the reaction between the epoxy resin and the curing agent. The tackified substrates are used to make composites by: (1) placing one or more of the tackified substrates in a mold; (2) injecting into the mold a matrix resin formulation which is chemically-similar to the tackifier, except that it contains a catalytic amount of catalyst for the reaction between the epoxy resin and the curing agent; and (3) curing the matrix resin formulation. The tackifiers are more storage-stable than similar tackifiers which contain catalyst, and the resulting composites have and/or retain physical properties better than composites made using tackifiers without curing agent.		