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(21) International Application Number: PCT/JP96/02712 (22) International Filing Date: 20 September 1996 (20.09.96) (30) Priority Data: 7/252123 29 September 1995 (29.09.95) JP (71) Applicant (for all designated States except US): SUMITOMO BAKELITE COMPANY LIMITED [JP/JP]; 5-8, Higashishinagawa 2-chome, Shinagawa-ku, Tokyo 140 (JP). (72) Inventor; and (75) Inventor/Applicant (for US only): MORI, Tsuneharu [JP/JP]; Sumitomowakakusaso 303, 5-5, Wakakusa 1-chome, Nishinomiya-shi, Hyogo 663 (JP). (74) Agents: ASAMURA, Kiyoshi et al.; Room 331, New Ohtemachi Building, 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100 (JP).		(81) Designated States: CA, CN, KR, SG, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). 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: PROCESS FOR PRODUCING SILANE-CROSSLINKED POLYOLEFIN (57) Abstract A process for producing a silane-crosslinked polyolefin which is characterized by melt-blending (i) a polyolefinic base polymer, (ii) a carrier polymer A containing an organic unsaturated silane and a free radical generating agent and containing substantially no water and (iii) a carrier polymer B containing a silanol condensation catalyst and an antioxidant, at a temperature higher than the crystal melting point of the base polymer to effect reaction, and then contacting the resulting reaction product with water to effect crosslinking. The process can provide a silane-crosslinked polyolefin excellent in extrusion processability as well as in crosslinking property, mechanical property and heat resistance.		