

Title (en)  
BINDING AGENTS BASED ON HIGHLY BRANCHED POLYOLEFINS COMPRISING SILANE GROUPS

Title (de)  
BINDEMITTEL AUF DER BASIS VON SILANGRUPPENHALTIGEN HOCHVERZWEIGTEN POLYOLEFINEN

Title (fr)  
LIANT À BASE DE POLYOLÉFINES HAUTEMENT RAMIFIÉES COMPORTANT UN GROUPE SILANE

Publication  
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Application  
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Abstract (en)  
[origin: WO2011015547A1] The invention relates to highly branched polymers (P) comprising at least one silane group, wherein at least one silicon atom carries a hydrolysable group of the general formula (I):  $RA [(CH_2) (CHRa)]_p - h [(CH_2)_k (CRcRd)]_m - g RuqRo t [(CH_2)_1 (CRfRsi)]_g + h RB$ , where RA, RB, Ra, Rc, Rd, Ru, Ro, Rf, Rsi, g, h, k, 1, m, p, q, t have the meanings indicated in claim 1, the relationship  $m - g = r \times (ra + p + q + t)$  applies, and r has a value greater than or equal to 0.02; to a method for producing the polymers (P); to binding agents comprising at least one polymer (P); to the use of the polymers (P) according to claim 1 alone or as components of formulas as binding agents, as melting adhesives, as reactive melting adhesives, for producing adhesive points, glued structures, coatings, paints, adhesive tapes, adhesive films, or foams; to a method for cross-linking the polymers (P) or mixtures comprising at least one polymer (P) with water and cross-linked polymer (PV), obtainable by cross-linking with water or with oxidic groups or hydroxyl groups other than water or SiOH.

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