

Title (en)
END GROUP MODIFIED POLYMERS

Title (de)
ENDGRUPPENMODIFIZIERTE POLYMERE

Title (fr)
POLYMÈRES À GROUPE TERMINAUX MODIFIÉS

Publication
EP 2640753 A1 20130925 (DE)

Application
EP 11784467 A 20111111

Priority
• EP 10191342 A 20101116
• EP 2011069913 W 20111111
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Abstract (en)
[origin: EP2452951A1] End groups functionalized polymer exhibiting a silane containing carbinol group (I) at its chain end, is new. End groups functionalized polymer exhibiting a silane containing carbinol group of formula $-(Si(R1)(R2)-C(R3)(R4)-A-OH)$ (I) at its chain end, is new. R1-R4 : H, alkyl, cycloalkyl, aryl, alkaryl or aralkyl (contains O, N, S or Si); and A : divalent organic residue (containing C and H, and O, N, S or Si). Independent claims are also included for: (1) preparing the end groups functionalized polymer; (2) a vulcanizable rubber composition comprising antioxidants, oils, fillers, rubber and/or rubber auxiliaries, and the end groups functionalized polymer containing end groups (I), or end groups present as metal salts, of formula $-(Si(R1)(R2)-C(R3)(R4)-A-O- \rightarrow) nM(n+)$ (II); (3) tires obtainable from the vulcanizable rubber composition; and (4) moldings obtainable from the vulcanizable rubber composition. n : 1-4; and M : metal or metalloid of valency 1-4, preferably Li, Na, K, Mg, Ca, Fe, Co, Ni, Al, Nd, Ti, Si or Sn.

IPC 8 full level
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CPC (source: EP KR US)
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