

Title (en)  
PRODUCTION OF COMB POLYMERS BY MEANS OF ESTERIFICATION

Title (de)  
HERSTELLUNG VON KAMMPOLYMEREN DURCH VERESTERUNG

Title (fr)  
PRÉPARATION DE POLYMÈRES PEIGNES PAR ESTÉRIFICATION

Publication  
**EP 2649103 A1 20131016 (DE)**

Application  
**EP 11791302 A 20111207**

Priority  
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Abstract (en)  
[origin: EP2463314A1] Preparing comb polymers by esterifying at least one polycarboxylic acid or its salt with at least one monohydroxy polyether, comprises (a) providing a reaction mixture containing at least one polycarboxylic acid, (b) heating the reaction mixture to at least 80[deg] C, preferably at least 100[deg] C, (c) adding a base, and (d) esterifying at a reaction temperature of at least 80[deg] C, preferably at least 100[deg] C, to obtain the comb polymer. The reaction mixture in step (a) and/or (b) is added with at least one monohydroxy polyether. Independent claims are also included for: (1) a comb polymer containing composition obtainable by the above method; (2) a hydraulically setting cement composition comprising at least one above comb polymer containing composition, and at least one hydraulically setting binder; and (3) a molding obtainable by setting and hardening of the above cement composition.

IPC 8 full level  
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