

Title (en)
CATIONIC POLYMER

Title (de)
KATIONISCHES POLYMER

Title (fr)
POLYMERES CATIONIQUES

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Application
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Abstract (en)
[origin: WO9615162A1] The invention provides a water swellable, water-insoluble polymer comprising units derived from a diallylic quaternary ammonium salt monomer cross-linked by a suitable polyfunctional vinyl compound, at least a substantial proportion of the function groups being in basic form. The invention also provides a process for the production of a water-swallowable, water-insoluble polymer which comprises polymerising a diallylic quaternary ammonium salt monomer and a suitable polyfunctional vinyl compound as cross-linking agent by cationic polymerisation in an aqueous phase using a free radical catalyst and polymers obtainable thereby. The water absorbent polymers are superabsorbents having improved water absorption properties particularly in respect of saliva solution.

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