

Title (en)  
METHOD FOR PRODUCING LOW-ODOR HYDROGEL-FORMING POLYMERS

Title (de)  
VERFAHREN ZUR HERSTELLUNG GERUCHSARMER HYDROGEL-BILDENDER POLYMERISATE

Title (fr)  
PROCEDE DE PRODUCTION DE POLYMERISATS HYDROGELIANTS A ODEUR PEU MARQUEE

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Application  
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Abstract (en)  
[origin: WO03095510A1] The invention relates to a method for producing a low-odor hydrogel-forming polymer based on acrylic acid, comprising the following steps: a) producing a polymeric hydrogel by radically polymerizing, in an aqueous polymerization medium, a monomer composition containing at least 50 wt. % of acrylic acid, and transforming the hydrogel into a particulate hydrogel or into a hydrogel-forming powder, and optionally; b) treating the particulate hydrogel or the hydrogel-forming powder with a crosslinking-active substance having at least two functional groups that react with the carboxyl groups of the polymer. The invention is characterized in that acrylic acid used in step a) contains less than 400 ppm ethanoic acid and/or propionic acid. The invention also relates to the hydrogel-forming polymers obtained according to said method, and to the use thereof.

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Citation (examination)  
• EP 0942014 A2 19990915 - NIPPON CATALYTIC CHEM IND [JP]  
• WO 0138402 A1 20010531 - BASF AG [DE], et al  
• US 5504247 A 19960402 - SAXER KURT [CH], et al  
• WO 9801415 A1 19980115 - BASF AG [DE], et al  
• DE 10003497 A1 20010412 - BASF AG [DE]  
• US 5817865 A 19981006 - MACHHAMMER OTTO [DE], et al

Citation (third parties)  
Third party :  
• EP 0942014 A2 19990915 - NIPPON CATALYTIC CHEM IND [JP]  
• WO 0138402 A1 20010531 - BASF AG [DE], et al  
• US 5504247 A 19960402 - SAXER KURT [CH], et al  
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