

Title (en)  
FINE-PARTICULATE POLYMER DISPERSIONS COMPRISING STARCH

Title (de)  
FEINTEILIGE, STÄRKEHALTIGE POLYMERDISPERSIONEN

Title (fr)  
DISPERSIONS POLYMÈRES AMYLACÉES À FINES PARTICULES

Publication  
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Application  
**EP 07857375 A 20071211**

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Abstract (en)  
[origin: WO2008071688A1] The invention relates to fine-particulate polymer dispersions comprising starch, obtained by radically initiated emulsion copolymerization of ethylenically unsaturated monomers in the presence of a redox initiator and an enzymatically degraded starch, wherein the enzymatic degradation of starch is stopped by adding at least one acid comprising a phosphorus atom to the reaction mixture. According to the invention, at least one acid comprising a phosphorus atom is used in order to stop the enzymatic degradation of starch and the fine-particulate polymer dispersions comprising starch of emulsion polymers are used as sizing agents for paper and paper products, particularly as surface sizing agents.

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