

Title (en)  
TEMPERATURE SENSITIVE POLYMERS

Title (de)  
TEMPERATUREMPFINDLICHE POLYMERE

Title (fr)  
POLYMERES SENSIBLES A LA TEMPERATURE

Publication  
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Application  
**EP 00950086 A 20000728**

Priority  

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Abstract (en)  
[origin: EP1072617A1] The present invention relates to compositions comprising polymers whose solubility characteristics can be changed by incubation. Another aspect of this invention is the application of such temperature sensitive polymers as release systems of biologically active compounds. The polymers of the present invention, comprise monomers which have modifiable functionality. The functionality of the monomers can for example be modified by the presence of hydrolysable groups. The modification is effected by the incubation, leading to a change of the water solubility characteristics of the polymer. The polymers used in the present invention contain hydrolysable chemical groups. As a result the polymer's solution characteristics, specifically its lower critical solution temperature (LCST), change upon incubation.

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IPC 8 full level  
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**C08F 8/44** (2013.01 - EP); **C08F 220/54** (2013.01 - EP US); **C08F 220/20** (2013.01 - EP)

Citation (search report)  
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Cited by  
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