

Title (en)  
AFFINITY-CONTROLLING MATERIAL WITH THE USE OF STIMULUS-RESPONSIVE POLYMER AND SEPARATION/PURIFICATION METHOD WITH THE USE OF THE MATERIAL

Title (de)  
AFFINITÄT KONTROLLIERENDES MATERIAL UNTER VERWENDUNG EINES REIZABHÄNGIGEN POLYMERS UND VERFAHREN ZUR TRENNUNG UND REINIGUNG UNTER VERWENDUNG DIESES MATERIALS

Title (fr)  
MATERIAU A AFFINITE CONTROLEE AVEC POLYMERES SENSIBLE A UN STIMULUS ET PROCEDE DE SEPARATION/PURIFICATION FAISANT INTERVENIR CE MATERIAU

Publication  
**EP 1194228 A1 20020410 (EN)**

Application  
**EP 00927741 A 20000511**

Priority  
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Abstract (en)  
[origin: WO0067901A1] An affinity-controlling material, wherein a stimulus-responsive polymer and an affinitive substance (ligand) having affinity for a target substance are independently attached, preferably covalently, to a support matrix is provided. The material is capable of separating and purifying a target substance such as a physiologically active substance under a physical stimulus while keeping at least one condition other than temperature (for example, pH value of solution, organic solvent concentration or salt concentration) constant by using a support matrix capable of preventing nonspecific adsorption of proteins and achieving an excellent separation performance.

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**B01J 20/32**; **B01D 15/08**

IPC 8 full level  
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