

Title (en)  
INTRAVASCULARLY-ADMINISTRABLE, MAGNETICALLY-LOCALIZABLE BIODEGRADABLE CARRIER AND PROCESS FOR ITS PREPARATION

Publication  
**EP 0000667 B1 19830706 (EN)**

Application  
**EP 78300208 A 19780728**

Priority  
• US 82081277 A 19770801  
• US 85984277 A 19771212

Abstract (en)  
[origin: CA1109792A] The intravascularly-administrable, magnetically-local-izable biodegradable carrier comprises microspheres formed from an amino acid polymer matrix with magnetic particles embedded therein. The microspheres can be used for intra-arterial administration and capillary level localization and/or release of therapeutic and diagnostic agents, thereby obtaining much more precise targeting of the agents than has heretofore been possible. Also a process is provided for incorporating water-soluble therapeutic agents in albumin microspheres. This process is particularly advantageous where the therapeutic agent is heat-sensitive. All steps of the process can be carried out at relatively low temperatures, such as ambient room temperature. The process may be applied to the preparation of the above mentioned intravascularly-administrable, magnetically-responsive microspheres.

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**A61K 9/50**; **A61K 9/52**; **A61K 9/00**

IPC 8 full level  
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CPC (source: EP US)  
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Citation (examination)  
• Proc. Soc. Exo. Biol. and Med. 58, 141-146 (1978)  
• J. Pharm. Sci. 68, 79-81 (1979)

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