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(54) Title: MEDICAL DEVICES VISIBLE UNDER MAGNETIC RESONANCE IMAGING

(57) Abstract: Disclosed is an implantable or insertable medical device comprising (a) a substrate and (b) a hydrogel polymer coating at a least a portion of the surface of the substrate, wherein the hydrogel polymer is adapted to render the medical device visible under magnetic resonance imaging (MRI) upon insertion or implantation of the medical device into a patient. Also disclosed is the use of such a hydrogel coated implantable or insertable medical device in a medical procedure, wherein during or after insertion or implantation of the medical device in a patient, the position of the medical device is viewed under MRI. The use of a hydrogel polymer for coating a medical device wherein the hydrogel polymer is adapted to render a medical device coated with the hydrogel polymer visible under MRI and a hydrogel polymer adapted to render a medical device coated therewith visible under MRI are also disclosed.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 02/37706

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61L29/18 A61L31/18 A61M25/01 G01R33/28 A61K49/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 60920 A (WISCONSIN ALUMNI RES FOUND) 2 December 1999 (1999-12-02) claims; examples ---	1-68
X	WO 01 81460 A (LAURENT ALEXANDRE ; LABARRE DENIS (FR); X BIO (FR)) 1 November 2001 (2001-11-01) claims; examples ---	1-68
P, X	WO 02 22186 A (SCHACHTER DEBORAH ; FAN YOU LING (US); RUTAR VENCESLAV (US); UNION) 21 March 2002 (2002-03-21) claims; examples ---	1-68
Y	WO 94 08629 A (STERLING WINTHROP INC) 28 April 1994 (1994-04-28) claims; examples ---	1-68
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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