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(54) Title: DRUG DELIVERY OF A COX INHIBITOR FROM EMBOLIC AGENTS

(57) Abstract: A pharmaceutical composition for malignant tumour embolisation comprises a polymer and, associated with the polymer in a releasable form, a COX inhibitor, e.g. a non-steroidal anti-inflammatory drug, such as ibuprofen. The polymer is preferably in particulate form, such as in the form of microspheres. A suitable polymer is a crosslinked polyvinyl alcohol polymer formed by the copolymerisation of PVA macromer with other ethylenically unsaturated monomers. The composition provides a synergistic treatment for the symptoms of malignant tumours, leading to tumour necrosis or ischaemia, with anti-angiogenic effects, promotion of apoptosis, decrease in invasiveness of tumour cells and resultant tumour regression.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 A61K9/16      A61P29/00      A61P35/00

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)  
 A61K

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, EMBASE, BIOSIS, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Further documents are listed in the continuation of Box C.

See patent family annex.

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X	BOUDY V ET AL: "Microencapsulation of microspheres for definitive therapeutic embolization" JOURNAL DE PHARMACIE CLINIQUE, vol. 18, no. 1, March 1999 (1999-03), pages 21-23, XP008039681 ISSN: 0291-1981 abstract page 22, left-hand column, paragraph 1 - paragraph 2	1-13,19, 20
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Y	WO 00/28920 A (COURT JANE LOUISE ; STRATFORD PETER WILLIAM (GB); BIOCOMPATIBLES LTD ( ) 25 May 2000 (2000-05-25) page 9, line 1 - page 11, line 15 claims 4,5,17,18	14-18
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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