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(54) **Title:** METHODS FOR DETECTION OF CIRCULATING TUMOR CELLS AND METHODS OF DIAGNOSIS OF CANCER IN A MAMMALIAN SUBJECT

(57) **Abstract:** Methods are provided for detecting circulating tumor cells in a mammalian subject. Methods of diagnosing cancer in a mammalian subject are provided. The methods of detection or diagnosis indicate the presence of metastatic cancer or early stage cancer.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A61K 49/00(2006.01)**

USPC: 436/518;435/7.21;435/7.23
 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)
 U.S. : 436/518;435/7.21;435/7.23

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 practicable, search terms used)
 NCBI Pubmed, Espacenet, Google Patents,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,670,197 (RIMM et al.), 5 March 2001 (05.03.2001), see entire document.	1-6,9,22-28,31,46-49,54,63
X	KRIVACIC et al. A rare cell detector for cancer. PNAS, July 20, 2004, Vol. 101, No. 29, Page No. 10501-10504, see entire document.	1,7-8,10-11,16-17,23,29-30,32-33,38-39,47,50-53,55-56,61-62
X	US 2003/129676 (TERSTAPPEN et al.) 11 October 2002 (11.10.2002), see entire document.	1,12-15,18-19,23,34-37,40-41,44-45,47,57-60
X	CURRY et al. High Speed Detection of occult tumor cells in peripheral blood. Proceedings of the 26th Annual international Conference of the IEEE EMBS, San Francisco, CA, USA, September 1-5, 2004, see entire document.	1,20-21,23,42-43

Further documents are listed in the continuation of Box C. See patent family annex.

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“O”	document referring to an oral disclosure, use, exhibition or other means		
“P”	document published prior to the international filing date but later than the priority date claimed		

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