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(54) Title: METHODS OF PREDICTING CHEMOTHERAPY RESPONSIVENESS IN BREAST CANCER PATIENTS

(57) Abstract: The invention provides a method of predicting the responsiveness of a breast cancer patient to chemotherapy based on the patient's cellular constituent profile comprising measurements of a plurality of cellular constituents in a sample derived from the patient, the patient's estrogen receptor level, and the patient's estrogen receptor level relative to the patient's age. The invention also provides a method for selecting patients for enrollment in a clinical trial of a drug for treating breast cancer based on these factors.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/04280

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **C12Q 1/68**(2006.01);**G01N 33/53**(2006.01)

USPC: 435/6,7.1
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. : 435/6,7.1

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)
MEDLINE, WEST, STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x --- y	Sorlie et al (PNAS, September 2001, 98(19):10869-10874)	1, 3, 5-7, 9-14, 24, 25, 27-29, 31-36, 46, 48, 50-52, 54-59, 70-72 ---------- 69
y	Brambilla et al (Br Med J, April 1976, 1(6013):801-4)	69
A	Maggard et al (Journal of Surgical Research, 2003, 113:109-113)	1-72

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

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