

Title (en)  
MARKER SEQUENCES FOR BREAST CANCER AND THE USE THEREOF

Title (de)  
MARKERSEQUENZEN FÜR BRUSTKREBS UND DEREN VERWENDUNG

Title (fr)  
SÉQUENCES DE MARQUEURS DU CANCER DU SEIN ET UTILISATION DESDITES SÉQUENCES DE MARQUEURS DU CANCER DU SEIN

Publication  
**EP 2795332 A2 20141029 (DE)**

Application  
**EP 12818894 A 20121224**

Priority  
• EP 11195459 A 20111222  
• EP 2012076875 W 20121224  
• EP 12818894 A 20121224

Abstract (en)  
[origin: EP2607900A1] Device comprises one or more different marker sequences consisting of a protein with a sequence of SEQ ID NOs: 979-1467 and/or its partial sequences and/or encoded by a sequence of SEQ ID NOs: 1-489, SEQ ID NOs: 490-978 and/or partial sequences of SEQ ID NOs. 1-978 on a carrier, where the above sequences are not defined. Independent claims are included for: (1) an assay or a protein biochip comprising the device; (2) a diagnostic (test kit) for the early detection and/or diagnosis of breast cancer, prognosis and/or predicting the risk of metastasis in breast cancer and the treatment monitoring and/or follow-up of breast cancer comprising the device or an assay or a protein biochip and optionally further additives and auxiliaries; (3) early detection and diagnosis of breast cancer comprising applying the marker sequences on the carrier, followed by contacting with body fluid or tissue extract of a patient and detecting the interaction of body fluid or tissue extract with the marker sequences; (4) stratifying, preferably for risk stratification or therapy control of a patient with the breast cancer comprising determining the autoantibody profile of the patient using the marker sequences and optionally monitoring; (5) a target for the treatment and therapy of breast cancer comprising the proteins; (6) identifying marker sequences for the breast cancer comprising providing the marker sequences on an array, identifying marker sequence candidates for the breast cancer marker by comparative analysis of signals by contacting the marker sequences with body fluid or tissue extract of the patient with the breast cancer and body fluid or tissue extract of a patient without breast cancer, characterizing the marker sequence candidates for breast cancer using the protein biochip and selecting the marker sequence of candidates for breast cancer, which provide a different signal in patients with the breast cancer and patients without the breast cancer (marker sequences for breast cancer); and (7) identifying and/or characterizing a substance (active ingredient) for the breast cancer comprising contacting the marker sequences consisting of the proteins and/or proteins encoded by a nucleic acid sequence with at least one substance to be examined and determining the binding of the marker sequences with the substance. ACTIVITY : Cytostatic. MECHANISM OF ACTION : None given.

IPC 8 full level  
**G01N 33/574** (2006.01)

CPC (source: EP US)  
**G01N 33/57415** (2013.01 - EP US); **G01N 2500/04** (2013.01 - EP US); **G01N 2500/20** (2013.01 - US); **G01N 2800/52** (2013.01 - EP US); **G01N 2800/56** (2013.01 - EP US)

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