

Title (en)
NONINVASIVE INTRADUCTAL FLUID DIAGNOSTIC SCREEN

Title (de)
NICHTINVASIVER DIAGNOSTISCHER INTRADUKTALFLÜSSIGKEITS-SCREEN

Title (fr)
CRIBLAGE DIAGNOSTIC A L'AIDE D'UN FLUIDE INTRACANALAIRE NON-INVASIF

Publication
EP 1402056 A4 20090408 (EN)

Application
EP 02774121 A 20020529

Priority

- US 0216900 W 20020529
- US 87040201 A 20010530
- US 7254302 A 20020208
- US 7253902 A 20020208
- US 7254602 A 20020208
- US 7253702 A 20020208

Abstract (en)
[origin: WO02096267A2] Disclosed is a method and apparatus for accomplishing a noninvasive screen for breast disease markers, including breast cancer markers and cytologically abnormal cells. Intraductal fluid is noninvasively aspirated using compression, heating, and suction cycles. The removed sample is thereafter assayed for the presence of cytologically abnormal cells and/or one or more breast disease markers. Sample size and intraductal mobility of breast disease markers may be enhanced by retrograde introduction of a carrier. A portable, self-contained intraductal fluid aspiration device (20) includes a housing (22), one or more controls and/or indicators (25), and a patient or breast interface (24) having a tissue contacting surface (32) for receiving a breast and a second concavity (38) for receiving a nipple. Preferably, the breast interface (24) is provided with a dynamic compression zone (42), having one or more compression elements (45) for compression in the mid breast region to facilitate intraductal fluid aspiration.

IPC 1-7
C12Q 1/00; **A61M 1/00**

IPC 8 full level
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Citation (search report)

- [XY] WO 0051666 A1 20000908 - PRO DUCT HEALTH INC [US]
- [Y] WO 0043550 A2 20000727 - UNIV WAYNE STATE [US], et al
- [A] WO 0039557 A2 20000706 - PRO DUCT HEALTH INC [US]
- [PA] WO 0238032 A2 20020516 - ATOSSA HEALTHCARE INC [US], et al
- See references of WO 02096267A2

Citation (examination)
WO 0047247 A1 20000817 - MEDO ELENA T [US]

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WO 02096267 A2 20021205; **WO 02096267 A3 20030220**; AU 2002308784 B2 20080417; CA 2448011 A1 20021205; CA 2448011 C 20100119; EP 1402056 A2 20040331; EP 1402056 A4 20090408; JP 2004532082 A 20041021

DOCDB simple family (application)
US 0216900 W 20020529; AU 2002308784 A 20020529; CA 2448011 A 20020529; EP 02774121 A 20020529; JP 2002592787 A 20020529