

Title (en)  
DEVICE AND METHOD FOR EARLY DIAGNOSIS AND PROGNOSIS OF HEALING PROGRESSIONS, IN PARTICULAR FOR BONE INJURIES

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR FRÜHZEITIGEN DIAGNOSE UND PROGNOSE VON HEILUNGSVERLÄUFEN, INSBESONDERE BEI KNOCHENVERLETZUNGEN

Title (fr)  
DISPOSITIF ET PROCÉDÉ POUR LE DIAGNOSTIC ET LE PRONOSTIC PRÉCOCES DE PROCESSUS CICATRICIELS, EN PARTICULIER EN PRÉSENCE DE LÉSIONS OSSEUSES

Publication  
**EP 2349010 A1 20110803 (DE)**

Application  
**EP 09736171 A 20091001**

Priority  
• EP 2009062759 W 20091001  
• US 10171608 P 20081001

Abstract (en)  
[origin: WO2010037816A1] The invention relates to a device comprising: i) a sample holding unit (20), wherein the sample holding unit (20) comprises a cavity (24) for holding sample material, means (22) for exerting pressure in a regulating and/or controlling fashion onto sample material located in the cavity and an outlet (25), wherein the outlet (25) is disposed and design in such a way that components of the sample material can, by actuating the means (22) for exerting pressure in a regulating and/or controlling fashion, be transferred from the cavity (24) through the outlet (25) directly to an analysis unit (30) which can be connected to the outlet (25); and ii) an analysis unit (30), wherein the analysis unit (30) comprises an inlet (31), a first filter (32), a reservoir (33) and an analysis track (35), wherein the inlet (31) is designed to be connectable to an outlet (25) of the sample holding unit (20) such that components of the sample material can be fed from the sample holding unit (20) directly to the analysis unit (30), wherein the first filter (32) is disposed between the inlet (31) and the reservoir (33) so that substantially liquid components of the sample material can be transferred from the inlet (31) through the filter (32) to the reservoir (33) and wherein reservoir (33) and analysis track (35) are disposed and designed in such a way that filtrate can be transferred from the reservoir (33) to the analysis track (35); wherein the outlet (25) of the sample holding unit (20) is connected directly to the inlet (31) of the analysis unit (30) in a fluid-sealing manner.

IPC 8 full level  
**A61B 10/00** (2006.01); **A61B 10/02** (2006.01); **B01L 3/00** (2006.01); **G01N 1/40** (2006.01); **G01N 33/48** (2006.01)

CPC (source: EP US)  
**A61B 5/415** (2013.01 - EP US); **A61B 10/0045** (2013.01 - EP US); **A61B 10/0233** (2013.01 - EP US); **B01L 3/0224** (2013.01 - EP US); **A61B 5/150015** (2013.01 - EP US); **A61B 10/0051** (2013.01 - EP US); **A61B 10/0064** (2013.01 - EP US); **A61B 10/007** (2013.01 - EP US); **A61B 10/0096** (2013.01 - EP US); **A61B 2010/0067** (2013.01 - EP US); **A61B 2010/0077** (2013.01 - EP US); **A61B 2010/008** (2013.01 - EP US); **B01L 2200/0631** (2013.01 - EP US); **B01L 2300/0681** (2013.01 - EP US); **B01L 2300/0832** (2013.01 - EP US); **B01L 2400/0478** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010037816A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010037816 A1 20100408**; EP 2349010 A1 20110803; US 2011230737 A1 20110922

DOCDB simple family (application)  
**EP 2009062759 W 20091001**; EP 09736171 A 20091001; US 200913121854 A 20091001