

Title (en)

APPARATUS AND METHOD FOR DETERMINING THE COAGULATION TIME OF BLOOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG DER KOAGULATIONSZEIT VON BLUT

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA DÉTERMINATION DU TEMPS DE COAGULATION DU SANG

Publication

EP 2697644 A1 20140219 (DE)

Application

EP 12713609 A 20120411

Priority

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- EP 2012001575 W 20120411

Abstract (en)

[origin: WO2012139752A1] An apparatus and a method for determining the coagulation time of blood are shown. Surface waves are injected into a blood sample (30) therein, which blood sample contains fluorescent microspheres (32). The fluorescence of the microspheres is excited, and the movements of the microspheres are optically monitored. The time of coagulation can be determined using the deceleration or the standstill of the movement of the microspheres.

IPC 8 full level

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CPC (source: EP US)

A61B 5/145 (2013.01 - US); **G01N 21/6408** (2013.01 - EP US); **G01N 33/4905** (2013.01 - EP US); **G01N 33/582** (2013.01 - EP US); **G01N 33/86** (2013.01 - EP US)

Citation (search report)

See references of WO 2012139752A1

Citation (examination)

DARREN W BRANCH ET AL: "Active Mixing in Microchannels using Surface Acoustic Wave Streaming on Lithium Niobate", SCITECH CONNECT, 1 November 2005 (2005-11-01), pages 1 - 25, XP055407549, Retrieved from the Internet <URL:http://prod.sandia.gov/techlib/access-control.cgi/2005/057036.pdf> [retrieved on 20170918]

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