

Title (en)
SYSTEMS AND METHODS FOR HAND-FREE CONTINUOUS ULTRASONIC MONITORING

Title (de)
SYSTEME UND VERFAHREN ZUR BERÜHRUNGSLOSEN KONTINUIERLICHEN ULTRASCHALLÜBERWACHUNG

Title (fr)
SYSTÈMES ET PROCÉDÉS DE SURVEILLANCE ULTRASONORE CONTINUE MAINS LIBRES

Publication
EP 3562404 A1 20191106 (EN)

Application
EP 17886044 A 20171214

Priority
• US 201615390792 A 20161227
• IB 2017057932 W 20171214

Abstract (en)
[origin: WO2018122661A1] There is provided an assembly for hands-free ultrasonic monitoring and imaging via a suprasternal notch of a target individual, comprising: a cradle comprising: a lower portion having a surface shaped according to a surface of an anatomical region including a suprasternal notch of sample individual(s), and a holding portion connected to the lower portion, the holding portion shaped to fit a housing component, the holding portion including at least one elongated slot elongated at a predefined angle relative to the surface of the lower portion, and a housing component comprising: an ultrasound transducer, a multi-directional mechanism for adjusting the position of the ultrasound transducer within the housing component along at least two degrees of freedom, and a securing mechanism set at a location within housing component for engaging the at least one elongated slot of the cradle when housing component is fitted within the holding portion of the cradle.

IPC 8 full level
A61B 8/00 (2006.01); **G01S 15/00** (2006.01)

CPC (source: EP IL US)
A61B 8/06 (2013.01 - EP IL US); **A61B 8/065** (2013.01 - EP IL US); **A61B 8/0891** (2013.01 - EP IL US); **A61B 8/4236** (2013.01 - EP IL US); **A61B 8/4272** (2013.01 - EP IL US); **A61B 8/4427** (2013.01 - EP IL US); **A61B 8/4483** (2013.01 - EP IL US); **A61B 8/488** (2013.01 - EP IL US); **A61B 8/5223** (2013.01 - EP IL US); **A61B 8/54** (2013.01 - EP IL US); **G16H 50/30** (2017.12 - EP)

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2018122661 A1 20180705; EP 3562404 A1 20191106; EP 3562404 A4 20200909; IL 267748 A 20190829; IL 267748 B 20200730

DOCDB simple family (application)
IB 2017057932 W 20171214; EP 17886044 A 20171214; IL 26774819 A 20190627