

Title (en)
SYSTEM AND METHOD USEFUL FOR SARCOMERE IMAGING VIA OBJECTIVE-BASED MICROSCOPY

Title (de)
SYSTEM UND VERFAHREN ZUR SARKOMERDARSTELLUNG DURCH OBJEKTIVBASIERTE MIKROSKOPIE

Title (fr)
SYSTÈME ET PROCÉDÉ UTILES POUR IMAGERIE DE SARCOMÈRE PAR L'INTERMÉDIAIRE DE MICROSCOPIE BASÉE SUR OBJECTIF

Publication
EP 2785250 A4 20150729 (EN)

Application
EP 12853081 A 20121128

Priority

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- US 2012066860 W 20121128

Abstract (en)
[origin: WO2013082156A1] Biological tissue such as skeletal and cardiac muscle can be imaged by using an objective-based probe in the tissue and scanning at a sufficiently fast rate to mitigate motion artifacts due to physiological motion. According to one example embodiment, such a probe is part of a system that is capable of reverse-direction high-resolution imaging without needing to stain or otherwise introduce a foreign element used to generate or otherwise increase the sensed light. The probe can include a light generator for generating light pulses that are directed towards structures located within the thick tissue. The system can additionally include aspects that lessen adverse image-quality degradation. Further, the system can additionally be constructed as a hand-held device.

IPC 8 full level
A61B 6/00 (2006.01)

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Citation (search report)

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- See also references of WO 2013082156A1

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