

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**

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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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