### UNITED STATES PATENT AND TRADEMARK OFFICE

#### **BEFORE THE PATENT TRIAL AND APPEAL BOARD**

MOLECULIGHT, INC. Petitioner

v.

SWIFT MEDICAL INC. Patent Owner

PGR2022-00041 U.S. Patent 11,266,345

#### PETITION FOR POST GRANT REVIEW OF U. S. PATENT 11,266,345

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	1.	Independent Claim 1: A portable illumination apparatus for facilitating visualizations of tissue, the apparatus comprising:

2.	Dependent Claim 4: The portable illumination apparatus according to claim 1, wherein the illumination unit further comprises at least one of: (i) a controller to control illumination of the one or more light sources, or (ii) a rechargeable battery for powering the apparatus
3.	Dependent Claim 5: The illumination apparatus according to claim 1, wherein the one or more light sources are arranged about a central aperture of the illumination unit, the central aperture having a radius of 0.5-3 cm
4.	Dependent Claim 6: The illumination apparatus of claim 5, wherein the one or more light sources are arranged in a ring having a radius of 1.5-6 cm
5.	Dependent Claim 7: The illumination apparatus according to claim 1, wherein the portable housing comprises a compression clip or a spring clip for mounting the apparatus on at least one edge of a mobile device and proximal to a camera of the mobile device
6.	Independent Claim 8: A tissue imaging system for visualizing of tissue health indicators, the system comprising:
7.	Dependent Claim 9: The tissue imaging system of claim 8, wherein the computing device comprises a mobile device and the image capture unit is a camera integrated with the mobile device
8.	Dependent Claim 10: The tissue imaging system according to claim 8, wherein the illumination unit comprises: a portable housing for detachable attachment proximal to the image capturing unit41
9.	Dependent Claim 11: The tissue imaging system according to claim 8, wherein the portable illumination unit further comprises a wireless communication module for receiving commands from the computing device
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11.	Independent Claim 13: A method for generating visualizations of tissue, the method comprising:47

	12.	Dependent Claim 17: The method according to claim 13, wherein pre-processing comprises at least one of: (i) registering images to avoid camera motion artifacts, (ii) subtracting images with no illumination from the illumination unit from images with illumination from the illumination unit to account for a presence of ambient light, (iii) recalibrating each measurement accordingly to control parameters related to intensity of illumination using a self-reference object positioned within the target area, (iv) dividing the captured images on reference images to obtain reflectance images, or (v) flattening the reflectance images to account for reflections from curved surfaces
	13.	Dependent Claim 20: The method according to claim 13, wherein the measurement data comprises wound-related data. 
B.		ounds 3 and 4: Anticipation and Obviousness Based On wzy60
	1.	Independent Claim 1: A portable illumination apparatus for facilitating visualizations of tissue, the apparatus comprising:
	2.	Dependent Claim 3: The portable illumination apparatus according to claim 1, wherein the one or more light sources is configured to provide flashes that are at least one of: (i) 405±10 nm wavelength, and having at least one of: (a) a long pass filter with a cut-on wavelength of 450±25 nm or (b) a bandpass filter with transmission in a 425 nm-1000 nm range, (ii) two wavelengths in a 450 nm-750 nm range, at least one of which in a green range, (iii) three wavelengths in a 450 nm-750 nm range, at least one of which in the green range, or (iv) 970±10 nm wavelength
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