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Kahook

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(54) **MODIFIED DUAL-BLADE CUTTING SYSTEM**

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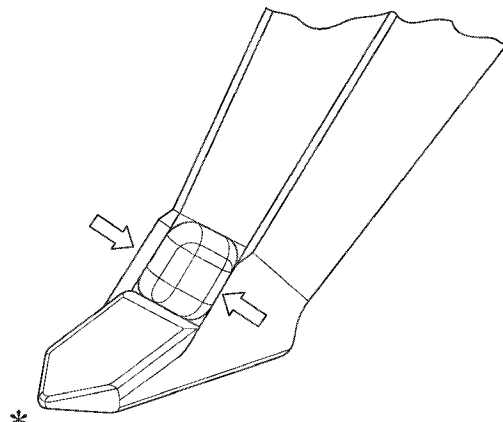
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(57) **ABSTRACT**

The present invention relates to a microsurgical device and methods of its use for treatment of various conditions including eye diseases, such as glaucoma, using minimally invasive surgical techniques. The invention relates to a dual-blade device for cutting the trabecular meshwork (TM) in the eye. The device tip provides entry into the Schlemm's canal via its size (i.e., for example, 0.3-0.2 mm width) and configuration where the blade tip curves up providing a ramp-like action for cutting the TM. The dimensions and configuration of the blade is such that an entire strip of TM is removed without leaving TM leaflets behind and without causing collateral damage to adjacent tissues.

22 Claims, 24 Drawing Sheets



(58) **Field of Classification Search**

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See application file for complete search history.

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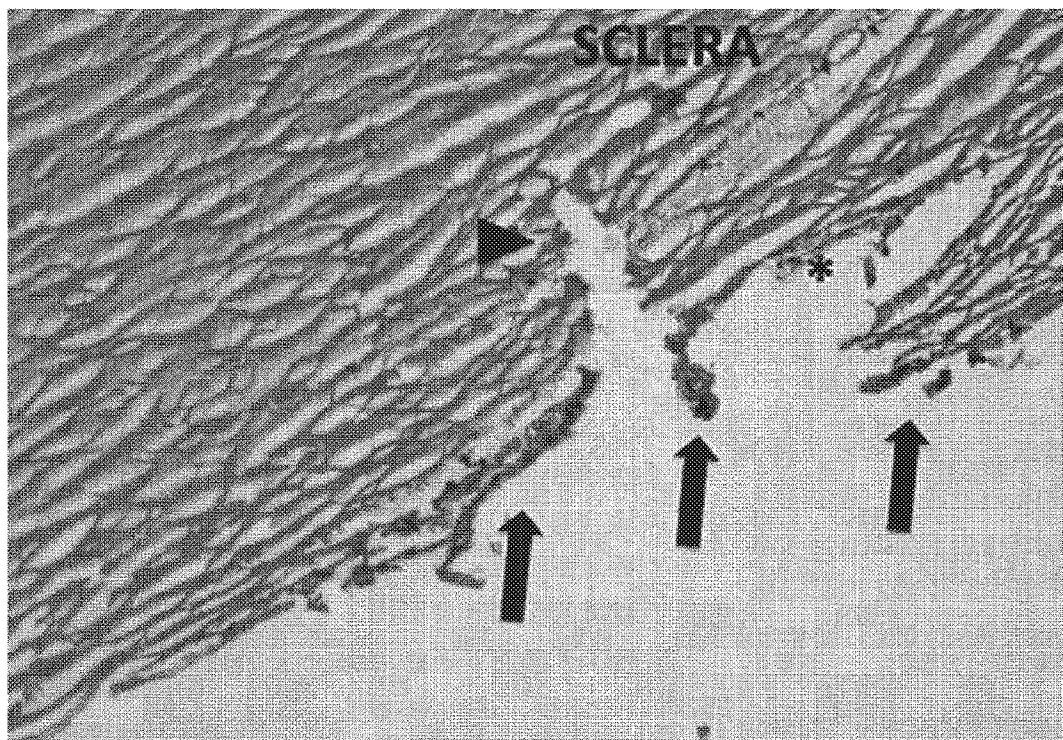


FIG. 1

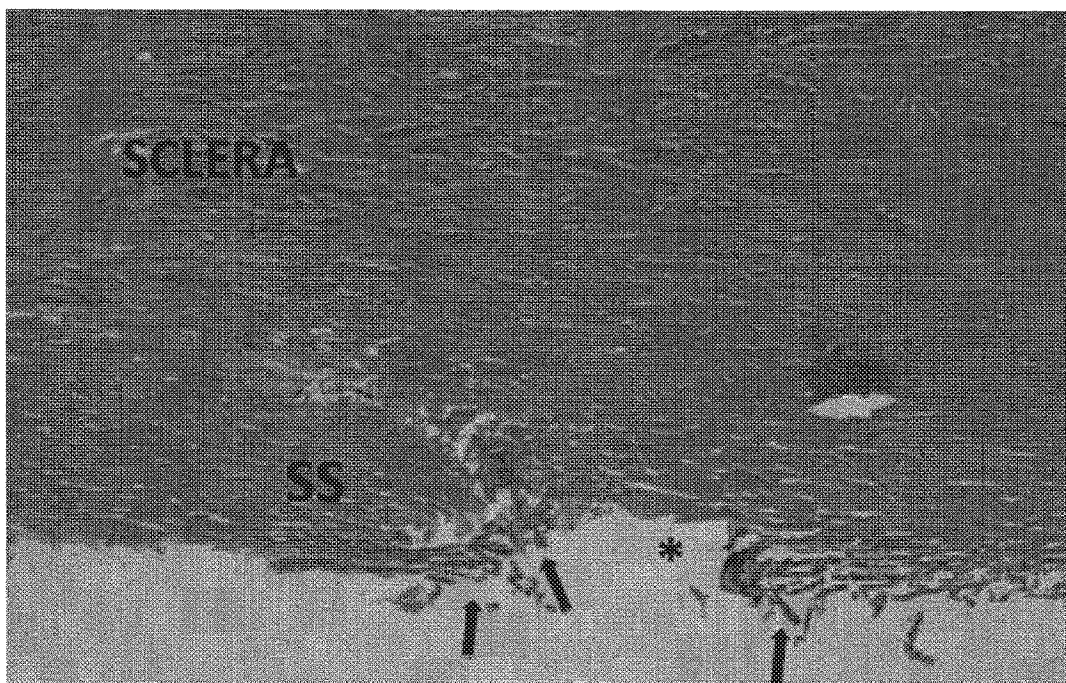


FIG. 2

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