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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

(54) Title: AUTOMATED FLUORESCENCE IMAGING AND SINGLE CELL SEGMENTATION

(57) Abstract: Systems and methods for automated, non-supervised, parameter-free segmentation of single cells and other objects in images generated by fluorescence microscopy. The systems and methods relate to both improving initial image quality and to improved automatic segmentation on images. The methods will typically be performed on a digital image by a computer or processor running appropriate software stored in a memory.

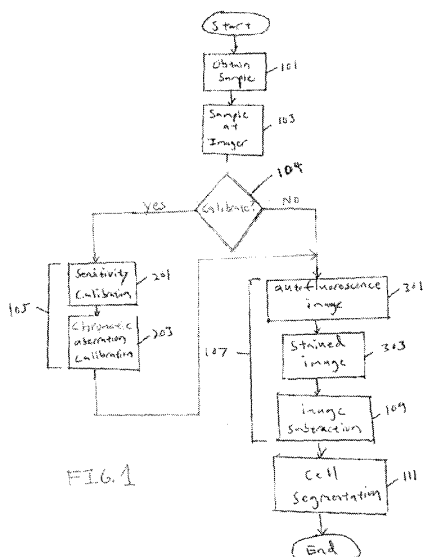


FIG. 1

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