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(54) Title: DETERMINING TISSUE CHARACTERISTICS USING MULTIPLEXED IMMUNOFLUORESCENCE IMAGING

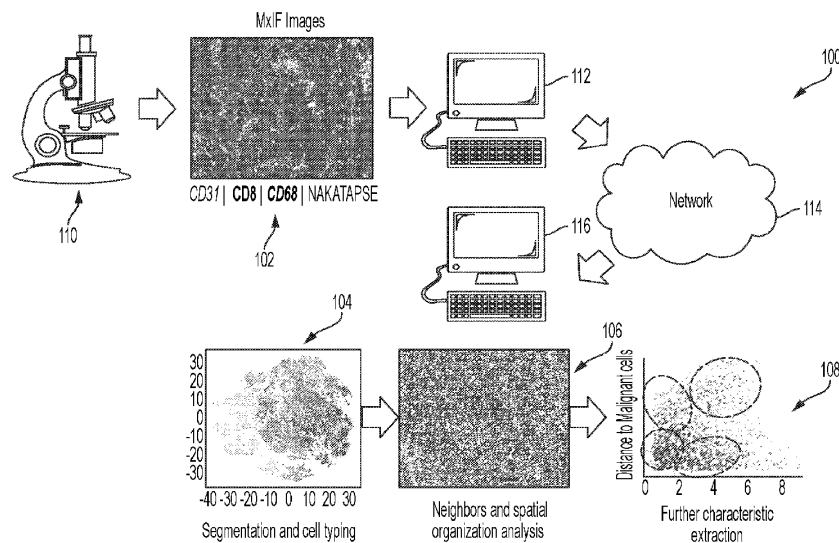


FIG. 1

(57) Abstract: Techniques for processing multiplexed immunofluorescence (MxIF) images. The techniques include: obtaining at least one MxIF image of a same tissue sample; obtaining information indicative of locations of cells in the at least one MxIF image; identifying multiple groups of cells in the at least one MxIF image at least in part by: determining feature values for at least some of the cells using the at least one MxIF image and the information indicative of locations of the at least some cells in the at least one MxIF image; and grouping the at least some of the cells into the multiple groups using the determined feature values; and determining at least one characteristic of the tissue sample using the multiple cell groups.

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