

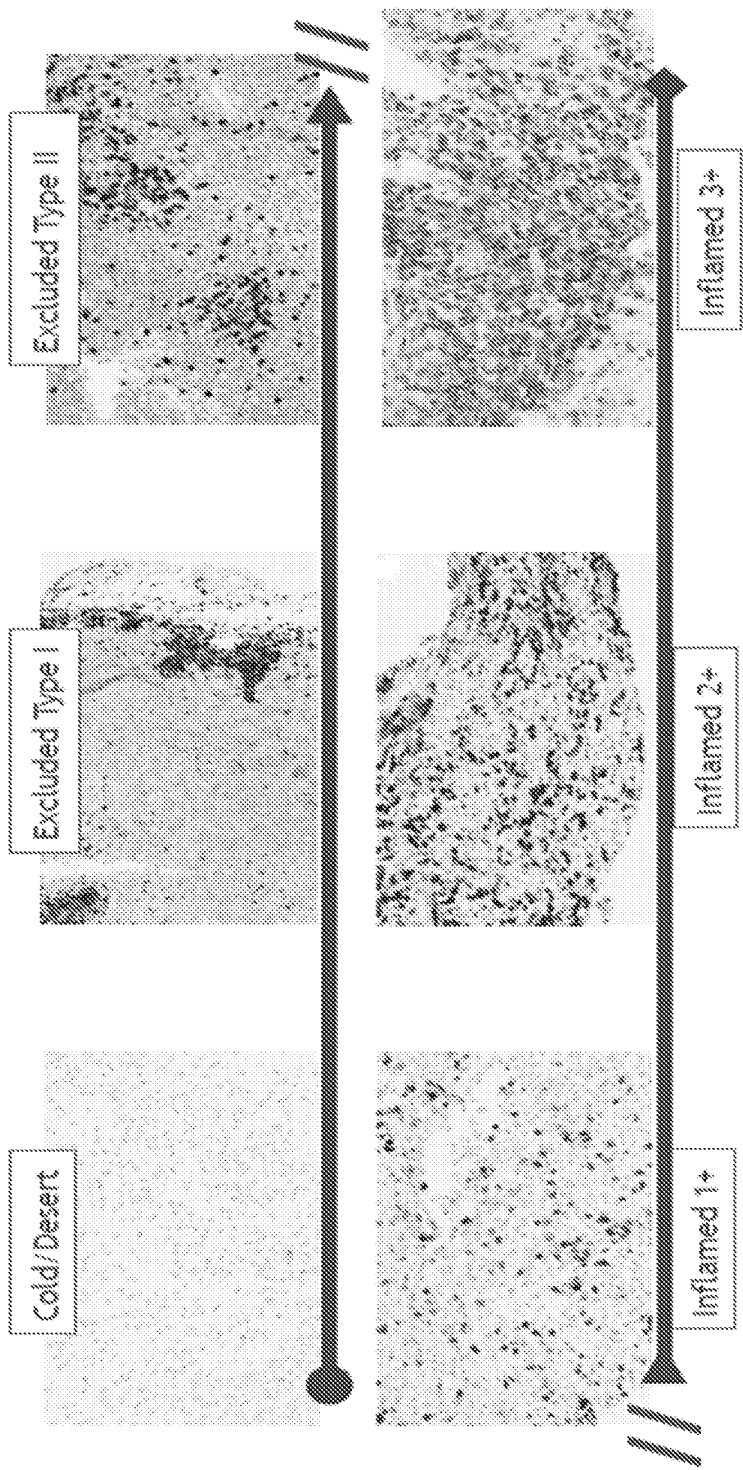
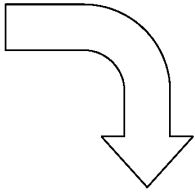
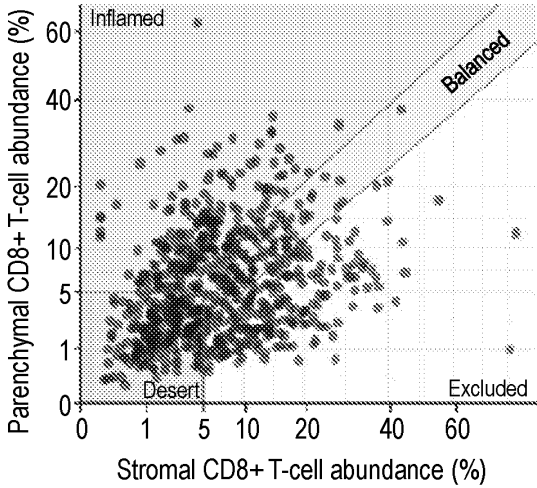
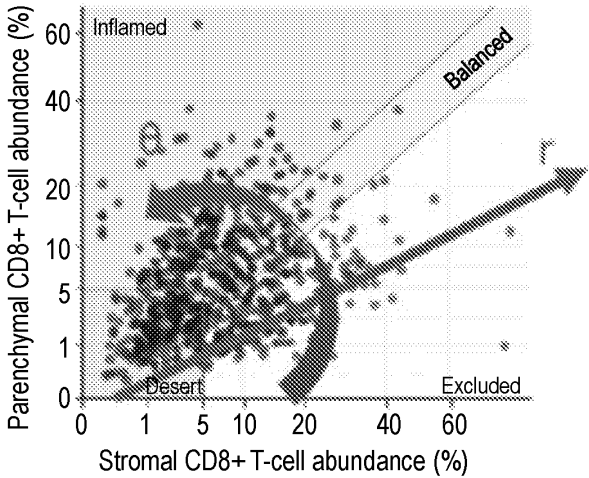


FIG. 1

Image Analysis Readouts



Polar Coordinate Transformation



Patient Response Model

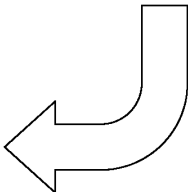
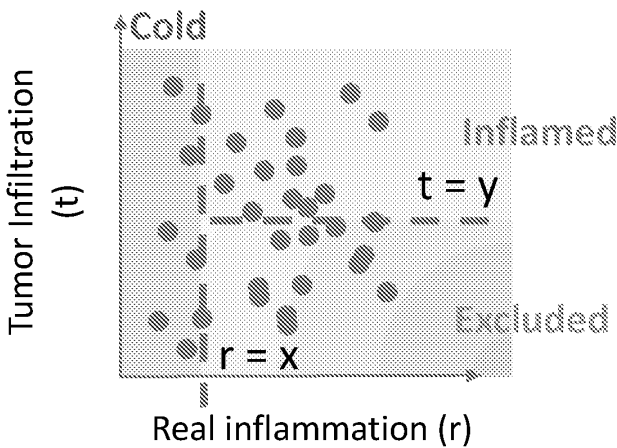


FIG. 2

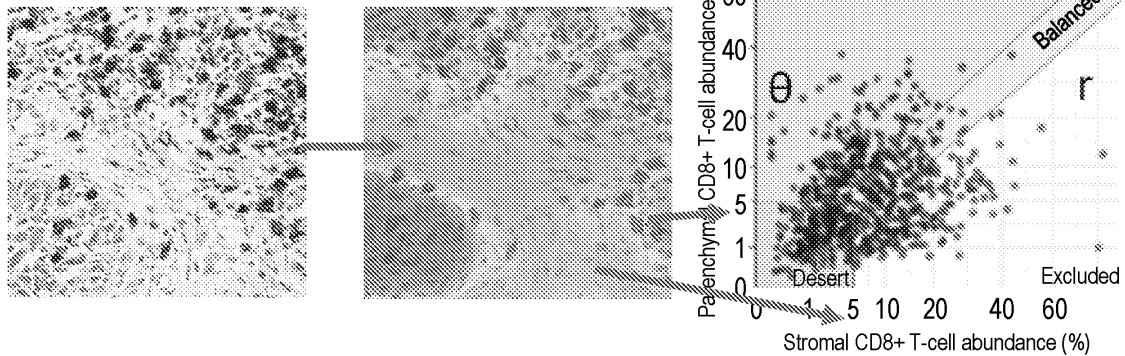
(1) Image Analysis

Image analysis to identify CD8 positive cells and segmentation of parenchymal and stromal compartments

(2) Feature Extraction

Mathematical transformation of Image Analysis derived features to polar coordinate feature space

CD8



(3) Patient Response Model

Optimization of linear cutoffs for a feature map based on retrospective clinical response data

(4) Prediction

Classification of image as cold, excluded, or inflamed pattern

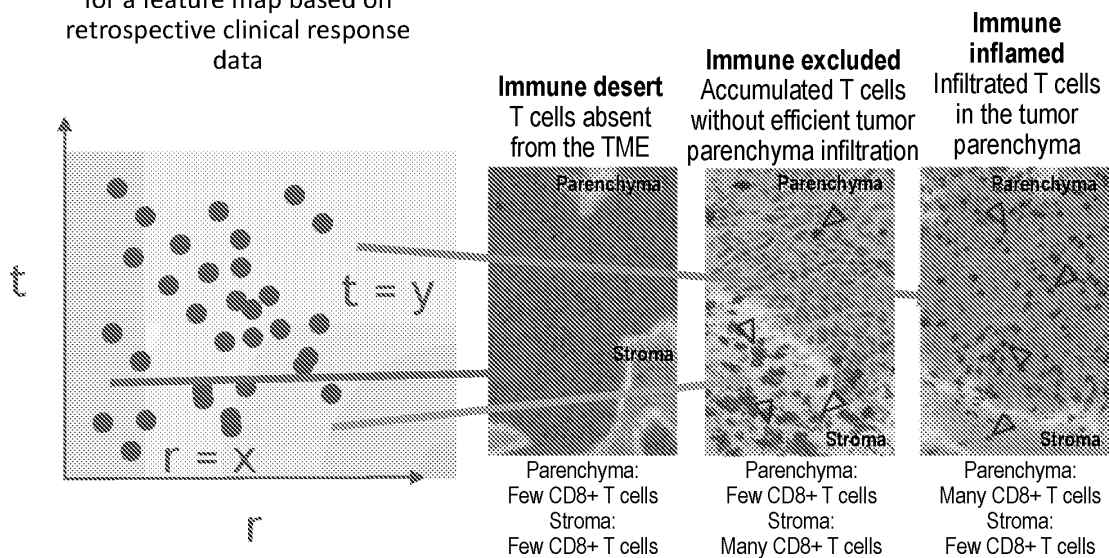


FIG. 3

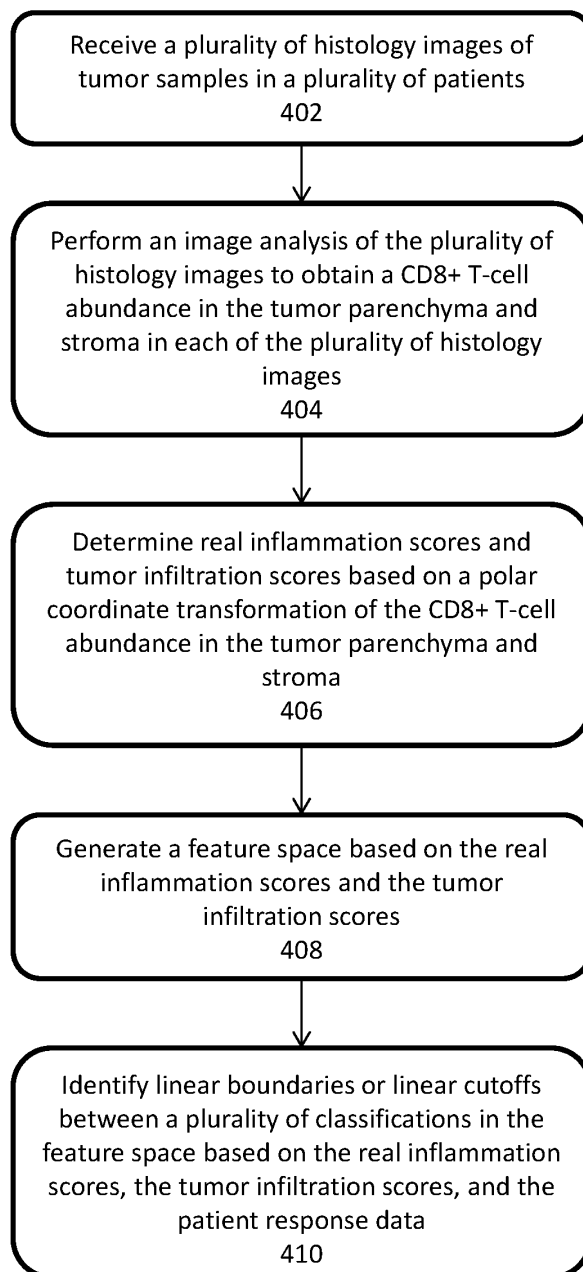


FIG. 4

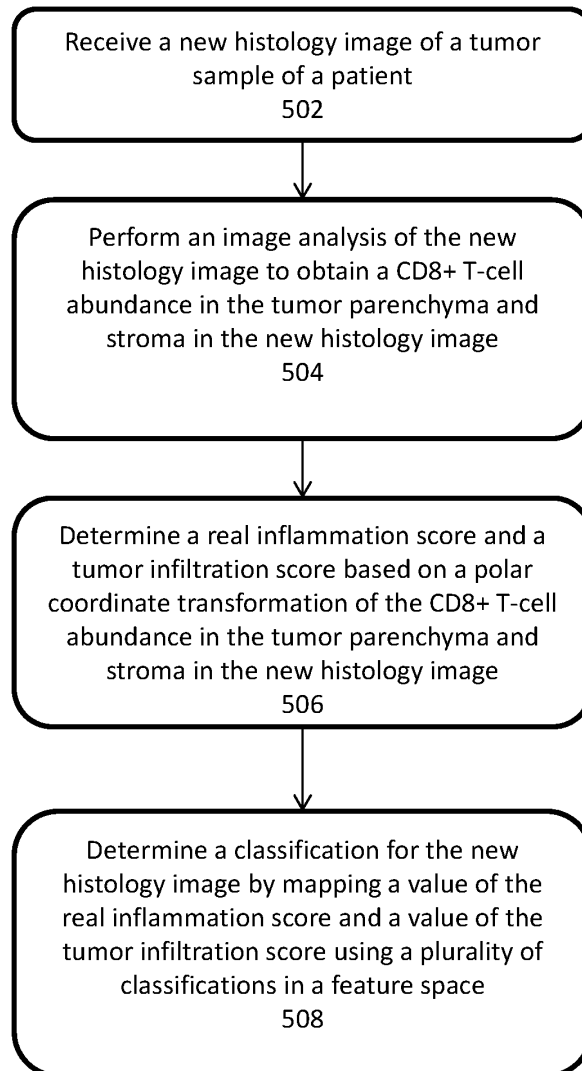


FIG. 5

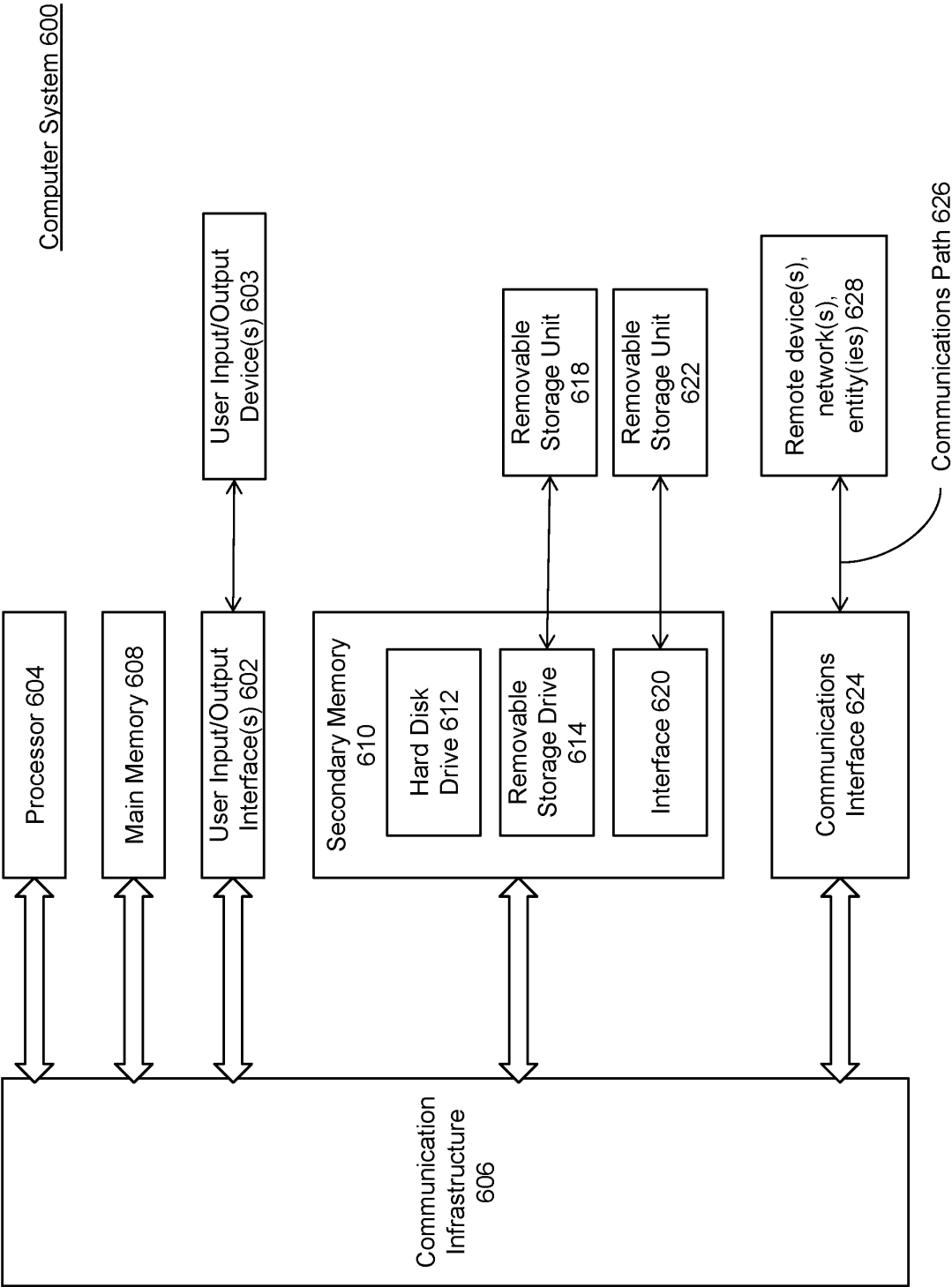


FIG. 6