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(71) Applicant: **PAIGE.AI, INC.** [US/US]; 11 Times Square,
37th Floor, New York, NY 10036 (US).

(72) Inventors: **ROTHROCK, Brandon**; c/o PAIGE.AI, Inc.,
11 Times Square, 37th Floor, New York, NY 10036 (US). **KANAN, Christopher**; c/o PAIGE.AI, Inc., 11
Times Square, 37th Floor, New York, NY 10036 (US). **VIRET, Julian**; c/o PAIGE.AI, Inc., 11 Times Square, 37th
Floor, New York, NY 10036 (US). **FUCHS, Thomas**; c/o
PAIGE.AI, Inc., 11 Times Square, 37th Floor, New York,
NY 10036 (US). **GRADY, Leo**; c/o PAIGE.AI, Inc., 11
Times Square, 37th Floor, New York, NY 10036 (US).

(74) Agent: **CHEDISTER, Lee**; Bookoff McAndrews, PLLC,
2020 K Street, Suite 400, Washington, DC 20006 (US).

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(54) Title: SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES FOR COMPUTATIONAL DETECTION METHODS

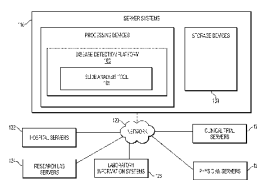


FIG. 1A

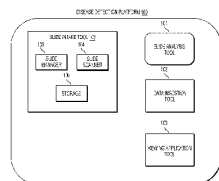


FIG. 1B

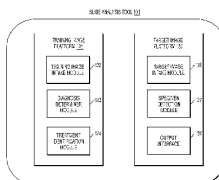


FIG. 1C

(57) Abstract: Systems and methods are disclosed for receiving one or more electronic slide images associated with a tissue specimen, the tissue specimen being associated with a patient and/or medical case, partitioning a first slide image of the one or more electronic slide images into a plurality of tiles, detecting a plurality of tissue regions of the first slide image and/or plurality of tiles to generate a tissue mask, determining whether any of the plurality of tiles corresponds to non-tissue, removing any of the plurality of tiles that are determined to be non-tissue, determining a prediction, using a machine learning prediction model, for at least one label for the one or more electronic slide images, the machine learning prediction model having been generated by processing a plurality of training images, and outputting the prediction of the trained machine learning prediction model.

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