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(54) Title: OPTICAL SYSTEM, METHOD OF FORMING THE SAME, METHOD OF DIRECT LASER WRITING

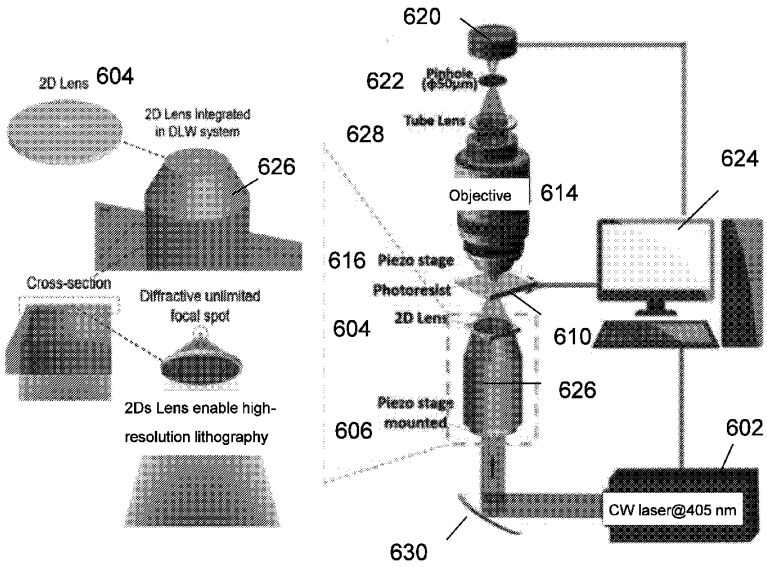


FIG. 6

(57) Abstract: Various embodiments may relate to an optical system. The optical system may include a laser source for emitting one or more laser beams. The optical system may also include a metalens, a first stage mounting the metalens, a first motor configured to move the first stage, a second stage for holding a sample, and a second motor configured to move the second stage. The optical system may include an objective, a third stage configured to hold the objective, and a third motor configured to move the third stage. The optical system may also include a detector and a screen including or defining a pinhole, the screen arranged between the objective and the detector. The optical system may also include a processor in electrical communication with the first motor, the second motor and the third motor.

[Continued on next page]

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