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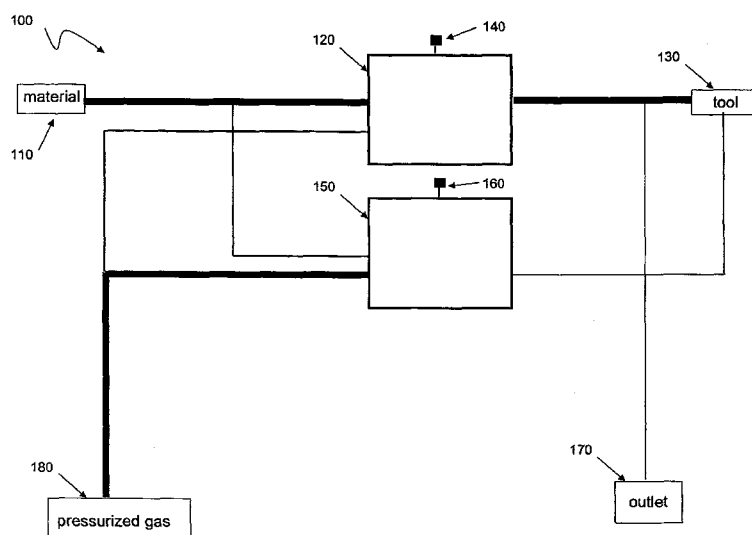
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(54) Title: SYSTEM AND METHOD FOR PROCESSING HIGH PURITY MATERIALS



(57) Abstract: Systems and methods for processing high purity materials are disclosed. A unit operation processes a material stream, an operational parameter of the unit operation is monitored, and a standby unit is charged with pressurized gas to achieve system pressure. The material stream is diverted to the standby unit in response to the operational parameter of the unit operation registering a threshold value. Flow exiting the standby unit is first vented via an outlet, and then directed toward a point of use after the pressurized gas has been purged. The unit operation may then be serviced and subsequently brought back online. A second unit operation may process a second material stream simultaneously, and the second material stream may be periodically diverted to the standby unit in like manner, thus reducing line pressure variation. The disclosed method may be performed manually or implemented automatically through use of a controller.

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