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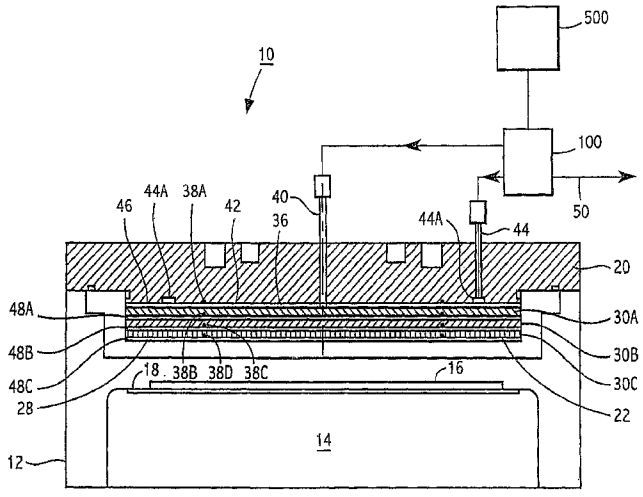
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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(54) **Title:** GAS SWITCHING SECTION INCLUDING VALVES HAVING DIFFERENT FLOW COEFFICIENTS FOR GAS DISTRIBUTION SYSTEM



(57) **Abstract:** A gas switching system for a gas distribution system for supplying different gas compositions to a chamber, such as a plasma processing chamber of a plasma processing apparatus, is provided. The chamber can include multiple zones, and the gas switching section can supply different gases to the multiple zones. The switching section can switch the flows of one or more gases, such that one gas can be supplied to the chamber while another gas can be supplied to a by-pass line, and then switch the gas flows.

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