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(54) **DYNAMIC CONFIGURATION OF SWITCH NETWORK PORT BANDWIDTH BASED ON SERVER PRIORITY**

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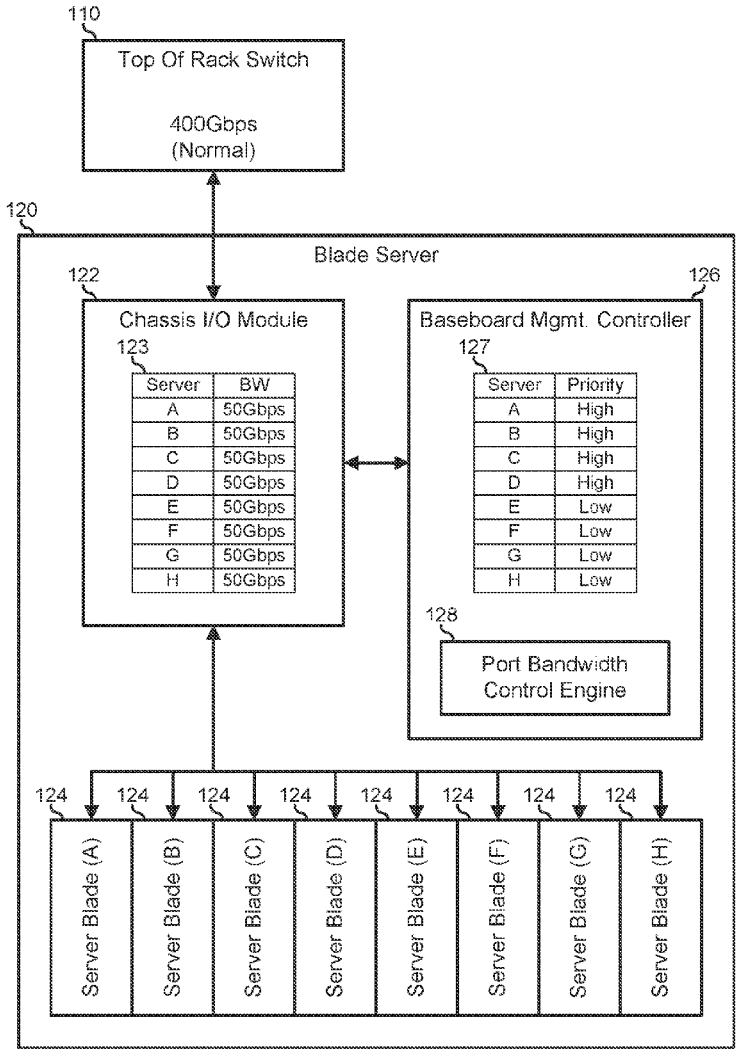
(57) **ABSTRACT**

An information handling system includes processing modules and an I/O module. The processing modules each have one of a high or low priority level. The I/O module is coupled to a network device and includes network ports coupled to the processing modules. A port bandwidth control engine (PBCE) determines that the network device is providing a maximum bandwidth to the I/O module, and in response, allocates the maximum bandwidth equally to the processing modules. The PBCE further determines that the network device is providing a reduced bandwidth to the I/O module, and, in response, allocates to each high priority level processing module a first bandwidth on the associated network port and allocates to each low priority level processing module a second bandwidth on the associated network port.



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