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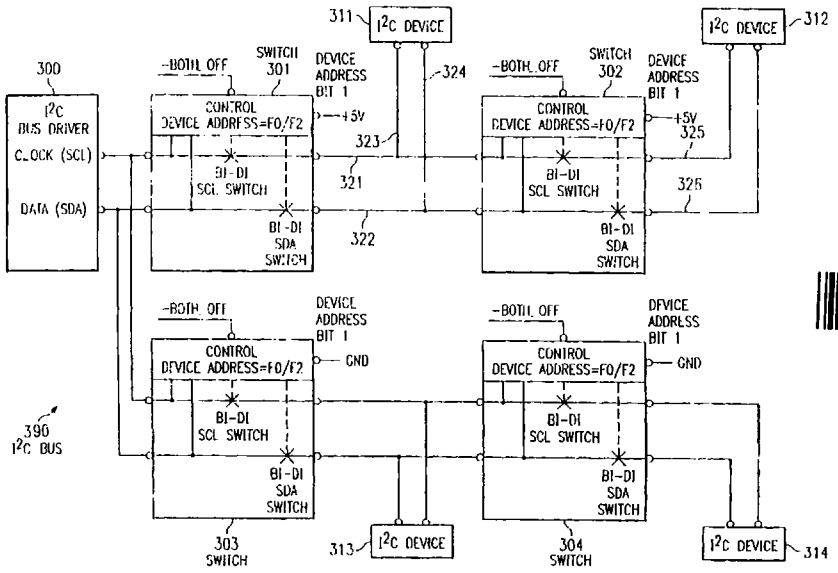
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(54) Title: I2C SELF BUS SWITCHING DEVICE



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(57) Abstract: A bus switch module for use in a bus such as an I2C bus is provided. In one embodiment, the switch module includes a control unit and a switch. The control unit includes an input for receiving instructions from a bus driver as to whether to close or open the switch. The switch includes a first and a second data connection which connect the switch to a first and a second segment of the bus and includes a control input for receiving commands from the control unit. The control unit opens and closes the switch in response to instructions received from the bus driver and signals received in the first data connection are passed to the second data connection only when the switch is closed in response to a command from the control unit. Thus, the bus switch module allows a bus driver to isolate devices and switch modules connected in series by opening or closing the switch.

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