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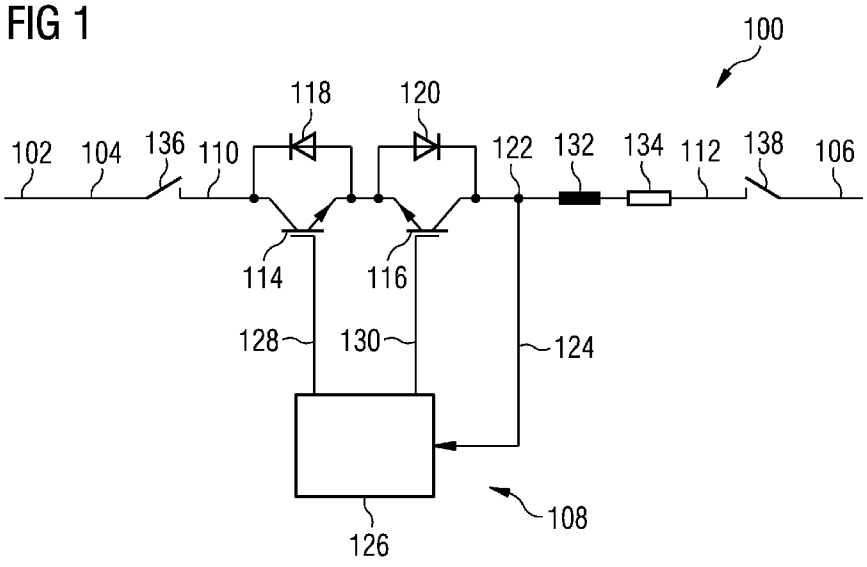
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(54) **Title**: POWER SWITCHING ASSEMBLY

FIG 1



(57) **Abstract**: It is described a power switching assembly (108) for switching power in a power distribution bus (102), and a power distribution system (100) comprising such a power switching assembly (108), the power switching assembly (108) comprising a first terminal (110), a second terminal (112), a first semiconductor element (114) and a second semiconductor element (116) electrically coupled between the first terminal (110) and the second terminal (112) so as to provide controllability of a current flow from the first terminal (110) to the second terminal (112) and from the second terminal (112) to the first terminal (110). A controller (126) for controlling the semiconductor elements (114, 116) may be configured to implement one or more of various control schemes such as a breaker, a current limiter, a load balancer and a precharging device.

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