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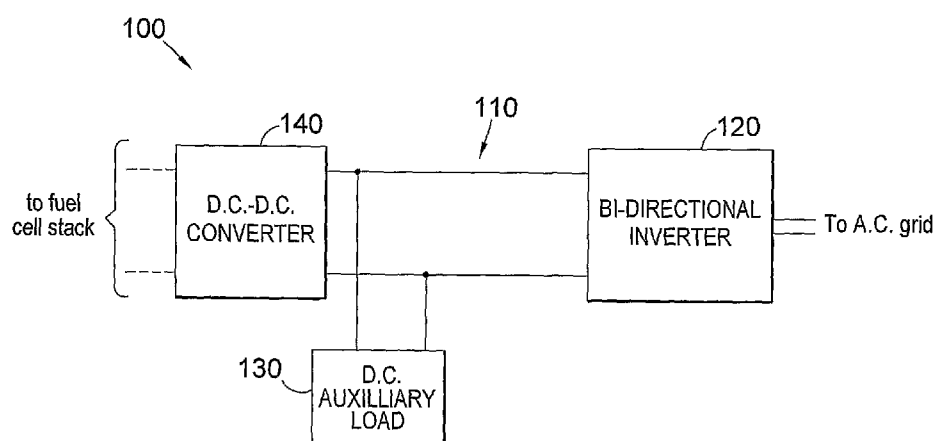
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(54) Title: POWER SUPPLY CONTROL FOR POWER GENERATOR



(57) Abstract: A system (100) for connecting a fuel cell stack to an A.C. grid to provide power thereto is disclosed in which a voltage regulated D. C. bus (110) is provided to be coupled to the fuel cell stack, a bidirectional inverter (120) is coupled to the D. C. bus (110), and is to be coupled between the D. C. bus (110) and the A.C. grid. At least one D. C. auxiliary load (130) of the fuel cell stack is provided coupled to the D.C. bus (110). A D.C. to D. C. converter (140) is provided between the fuel cell stack and the D.C. bus (110).