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(54) Title: DC SUPPLY UNIT FOR A POWER PROVISION UNIT

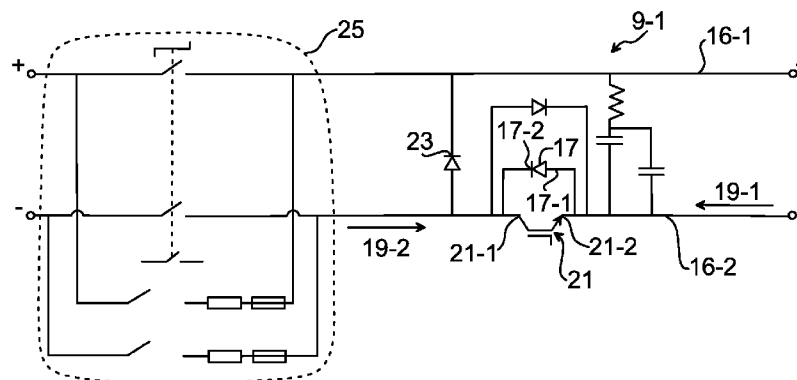


Fig. 2a

(57) Abstract: It is presented a DC supply unit (9-1) for a power provision unit for use in a DC supply network. The DC supply unit comprises a first current blocking device (17) arranged to allow current to flow in a first direction (19-1) through the first current blocking device (17), and to block current that flows in a second direction (19-2) opposite the first direction (19-1). In this context, the first direction is the flow direction of current during normal operation of the DC supply network. The DC supply unit (9-1) further comprises a first switching unit (21) arranged in anti-parallel connection with the first current blocking device (17), wherein the first switching unit (21) is controllable in its on state-state to selectively allow reverse current during normal operation of the DC supply network to flow through the first switching unit (21) in the second direction (19-2) so as to bypass the first current blocking device (17) and in an off-state to block current in the second direction (19-2) when a fault occurs in the DC supply network. It is also presented a power provision unit comprising such a DC supply unit.