

A system for powering and controlling electrical equipment of an aircraft engine or its environment

A B S T R A C T

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A system for powering and controlling electrical equipment of an aircraft engine or of its environment, comprises at least one DC voltage power supply bus (40, 40'), a set (50) of power supply modules associated with
10 an electrical equipment group (60), the number of modules (52) in the set being greater than the minimum number needed for activating the electrical equipment (62) of the group in such a manner as to provide at least one emergency module (52s), each module comprising a voltage
15 converter (53) to supply at the output of the module an alternating voltage derived from the DC voltage of the power supply bus, and a selector circuit (70) inserted between the outputs from the modules of the set of modules and the pieces of equipment of the equipment
20 group. The modules (52) and the selector circuit (70) are controlled to activate each piece of equipment (52) of the equipment group by connecting it to at least one of the modules (62), with an emergency module being put into operation in the event of one of the other modules
25 failing.

Figure 4