

An electrical power supply arrangement for an aircraft

A B S T R A C T

5 An arrangement for electrically powering an aircraft comprises at least one first generator (10, 10') driven by an engine of the aircraft, an electrical power distribution network (22) on board the aircraft receiving the voltage produced by the first generator, at least one
10 second generator (26, 26') driven by the motor, and an engine electrical power distribution network (28) distinct from the on-board network (22) for powering equipment of the engine of its environment, the engine network (28) comprising:

15 • at least one DC electrical voltage distribution bus (40; 40') for the electrical equipment; and
 • a power supply circuit (30) having a first input connected to the on-board network (22), a second input connected to the second generator (26; 26') to receive
20 the electrical voltage supplied thereby, a voltage converter connected to the second input, and a selector circuit for delivering a voltage on the distribution bus (40, 40'), the voltage being supplied from that received on the first input or from that supplied by the converter
25 depending on the amplitude of the voltage supplied by the second electricity generator.

Figure 2