

An electrical power supply circuit in an aircraft for electrical equipment including a de-icing circuit.

A B S T R A C T

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The invention relates to an electrical power supply circuit in an aircraft, the circuit comprising an electricity distribution network 17 on board the aircraft for powering electrical equipment 5b situated in an engine of the aircraft or in the surroundings of said engine and a power supply generator 27 integrated in the engine of the aircraft for powering a de-icing circuit 5a. The electrical equipment comprises nacelle loads (5b) connected to a DC voltage distribution bus (35), itself being connected to a voltage converter circuit (34) powered by the distribution network (17). The de-icing circuit (5a) comprises at least one electrical resistance (61) for dissipating electricity possibly returned to the DC voltage distribution bus (35) by at least some of the nacelle loads.

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Figure 2