

Six-Phase Tooth-Coil Winding Starter-Generator Embedded in Aerospace Engine

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Abstract : This paper is devoted to solve the problem of increasing the electrification of aircraft engines by installing a synchronous generator at high pressure shaft. Technical solution of this problem by various research centers is discussed. A design solution of the problem was proposed. To evaluate the effectiveness of the proposed cooling system, thermal analysis was carried out in ANSYS software.

Keywords : starter-generator, more electrical engine, aircraft engines, high pressure shaft, synchronous generator

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