

Title (en)  
ROTATIONAL DUCTED FAN (RDF) PROPULSION SYSTEM

Title (de)  
ANTRIEBSSYSTEM MIT ROTIERENDEM MANTELPROPELLER (RDF)

Title (fr)  
SYSTÈME DE PROPULSION À SOUFFLANTE CARÉNÉE ROTATIVE (RDF)

Publication  
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Application  
**EP 15881340 A 20150202**

Priority  
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Abstract (en)  
[origin: WO2016126231A1] In accordance with the present invention, an embodiment of a rotational ducted fan motor comprises a monolithic rotational ducted fan rotor, an electric propulsion system, a static aft-shroud comprising electrochemical-energy-storage, and an engagement system. The rotational ducted fan rotor is the portion of a ducted fan motor comprising a propeller, a duct, and a center hub, and having the effect of increasing the pressure difference from upstream to downstream of the propeller. The electric propulsion system comprises permanent magnets affixed to the rotational ducted fan rotor, repelling magnetic coils affixed to the static aft-shroud and electrical power provided by the electrochemical-energy-storage comprised within the aft-shroud.

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Citation (search report)

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- See references of WO 2016126231A1

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