

Title (en)  
CENTRIFUGAL TURBINE FOR BREATHING-AID DEVICES

Title (de)  
ZENTRIFUGALTURBINE FÜR ATEMHILFEVORRICHTUNGEN

Title (fr)  
TURBINE CENTRIFUGE POUR DISPOSITIFS D'ASSISTANCE RESPIRATOIRE

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: US2005036887A1] The invention concerns an electric turbin (1) comprising a turbine rotor (4, 7), a turbine stator (2, 3), an electric motor member (5, 6) for driving the rotor (4, 7) in rotation relative to the stator (2, 3), and having the following features: the turbine stator (2, 3) comprises a stator body defining a compression chamber (12); the turbine rotor (4, 7) includes a plurality of blades (26, 27) integral with a shaft (4) mounted coaxially rotating in the body (2, 3) of the turbine stator; the electric motor member (5, 6) comprises a toroidal motor stator (6) housed in a motor housing (16, 23) of the turbine stator (2, 3), at the center of the toroidal compression chamber (12) and a motor rotor (5) mounted on the shaft (4) of the turbine rotor, axially opposite the motor stator (6).

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