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(12) **United States Patent**  
**Smith**

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(54) **VERTICAL TAKE-OFF AND LANDING  
VEHICLE FOR LAND, WATER AND AIR  
TRANSPORT**

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(\* ) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
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(57) **ABSTRACT**

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(51) **Int. Cl.**<sup>7</sup> ..... **B64C 37/02**

(52) **U.S. Cl.** ..... **244/2; 244/23 B; 244/50**

(58) **Field of Search** ..... 244/2, 12.1, 50,  
244/73 R, 23 A, 23 B, 23 C

The present invention relates to a vehicle for land and air transport and, more specifically, to a vertical take-off and landing vehicle for land, water and air transport which is submersible and utilizes compressed air to lift and propel said vehicle during travel. The land-based drive train and the aviatric air compression system are powered mechanically by the vehicle's engine or electrically by rechargeable battery banks and generators or a combination thereof thereby effectively reducing the present invention's reliance upon fossil fuel sources.

(56) **References Cited**

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**28 Claims, 10 Drawing Sheets**

