

Title (en)  
AN AMPHIBIOUS VEHICLE

Title (de)  
AMPHIBIENFAHRZEUG

Title (fr)  
VEHICULE AMPHIBIE

Publication  
**EP 1581402 A1 20051005 (EN)**

Application  
**EP 03773830 A 20030829**

Priority  
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Abstract (en)  
[origin: GB2392415A] Amphibious vehicle 1 has a longitudinally mounted engine 18' and a hull 4 conformed to enable planing. Road wheels 3 have drag reduction means. They may be retractable, as shown; or faired. The engine has an output shaft (44, Fig 4) aligned fore and aft in the vehicle, arranged to drive a gearbox (63, Fig 2) having a reversible output, with in turn drives at least some of the road wheels and one or more marine propulsion units (40, Fig 2). The road wheels are driven through a differential (24, Fig 2) located between the engine and gearbox (63, Fig 2). The engine may have one or more cylinders canted at at least five degrees to the vertical; and may be mid-mounted. The engine may be mounted substantially behind the seating area. Road and/or marine drive trains may comprise at least one decoupler 70. Seating may be across the vehicle in one or more rows, or in a tandem layout. A central driving position may be provided.

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