

Title (en)
AN AMPHIBIOUS VEHICLE

Title (de)
AMPHIBIENFAHRZEUG

Title (fr)
VEHICULE AMPHIBIE

Publication
EP 1581402 A1 20051005 (EN)

Application
EP 03773830 A 20030829

Priority
• GB 0303787 W 20030829
• GB 0220164 A 20020830

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.

IPC 1-7
B60F 3/00

IPC 8 full level
B60F 3/00 (2006.01)

CPC (source: EP)
B60F 3/0007 (2013.01); **B60F 2301/04** (2013.01)

Citation (search report)
See references of WO 2004020228A1

Cited by
CN107000515A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
GB 0320374 D0 20031001; **GB 2392415 A 20040303**; AU 2003282210 A1 20040319; EP 1581402 A1 20051005; GB 0220164 D0 20021009; WO 2004020228 A1 20040311

DOCDB simple family (application)
GB 0320374 A 20030829; AU 2003282210 A 20030829; EP 03773830 A 20030829; GB 0220164 A 20020830; GB 0303787 W 20030829