

Title (en)

Outboard marine drive including an engine lower cowling made of plastic material

Title (de)

Aussenbordantriebseinheit mit einem Triebwerksuntergehäuse aus Kunststoff

Title (fr)

Unité d'entraînement hors-bord comprenant un capot inférieur du moteur en matière plastique

Publication

**EP 1225125 A2 20020724 (EN)**

Application

**EP 02250335 A 20020118**

Priority

JP 2001011836 A 20010119

Abstract (en)

In an outboard marine drive, an engine (E) is supported on an engine mount case (5), and an under cover (10) made of plastic material having a lower end attached to the engine mount case defines an open upper end which engages an open lower end of an engine cover (11) also made of plastic material. A metallic stay member (14) having a lower end fixedly attached to the engine mount case which is typically made of cast aluminum alloy and an upper end fixedly supporting a support rail (15) reinforces the open upper end of the under cover. Thus, the essential part is reinforced by a metallic member, and the required mechanical strength can be achieved while minimizing the increase in weight. The upper end of the stay member may be used for attaching a latch unit (17) for securing the engine cover to the under cover or the engine mount case. <IMAGE>

IPC 1-7

**B63H 20/00**; **B63H 20/32**; **F02B 61/04**

IPC 8 full level

**B63H 20/00** (2006.01); **B63H 20/32** (2006.01)

CPC (source: EP)

**B63H 20/00** (2013.01); **B63H 20/32** (2013.01)

Citation (applicant)

- JP H0585484 A 19930406 - SANSHIN KOGYO KK
- JP H10175595 A 19980630 - HONDA MOTOR CO LTD
- JP S5954400 A 19840329 - MEIDENSHA ELECTRIC MFG CO LTD

Designated contracting state (EPC)

DE FR SE

DOCDB simple family (publication)

**EP 1225125 A2 20020724**; **EP 1225125 A3 20040114**; **EP 1225125 B1 20050608**; CN 1194881 C 20050330; CN 1365930 A 20020828; DE 60204487 D1 20050714; DE 60204487 T2 20051027; JP 2002211489 A 20020731; JP 4563596 B2 20101013

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