

Title (en)

Hand controller for a remote operated vehicle

Title (de)

Handsteuerungseinrichtung für ein ferngesteuertes Fahrzeug

Title (fr)

Unité de commande manuelle pour un véhicule télécommandé

Publication

**EP 1283535 A3 20041117 (EN)**

Application

**EP 02255523 A 20020807**

Priority

US 92825801 A 20010810

Abstract (en)

[origin: EP1283535A2] A hand controller for a submersible remote operated vehicle (ROV) with left, right and vertical thrusters. The hand controller can be gripped between the fingers and palm of one hand. A joystick (340) is mounted for thumb actuation and configured to provide control signals for the ROV's left and right thrusters, thereby to control surge and yaw. A. A trigger (348) with two buttons (350, 352) is mounted for index finger actuation. The two buttons respectively provide control signals for up and down control of a vertical thruster of the ROV, thereby to control heave. This ergonomic design has proved to be easy to learn and use. <IMAGE>

IPC 1-7

**H01H 9/02**; B63H 25/40; B63C 11/42

IPC 8 full level

**H01H 9/02** (2006.01); **H01H 25/04** (2006.01)

CPC (source: EP)

**H01H 9/0214** (2013.01); **H01H 9/0235** (2013.01); **H01H 25/04** (2013.01); **H01H 2009/0257** (2013.01); **H01H 2221/012** (2013.01)

Citation (search report)

- [X] US 5670988 A 19970923 - TICKLE JAMES DEXTER [US]
- [A] GB 2163114 A 19860219 - OFFSHORE SYST ENG OSEL
- [X] US 6019680 A 20000201 - CHENG CHIU HAO [TW]
- [X] US 6069614 A 20000530 - SINGHAL TARA C [US]
- [A] US 3521589 A 19700721 - KEMP FREDERICK O
- [A] WO 0108969 A1 20010208 - SCHAEER ANDRE [FR]

Cited by

CN103439894A; DE102013008891B4; FR3003678A1; EP2797063A3; CN103425110A; CN105460190A; GB2415522A; GB2415522B; EP2797063A2; WO2011049470A1; EP1507184A2; FR2858861A1; EP1972363B2

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