Claims

1. A subsea torque tool (10) comprising:
a tool housing (32);
a plurality of torque drive heads (22, 24, 26);
a drive mechanism (17, 18, 20, 28) operable to rotate the plurality of torque drive heads;
and a drive head selection mechanism (30) for selecting a drive head (22, 24, 26) to impart a torque to a subsea device;
characterised in that the drive head selection mechanism comprises a rotary actuator (14, 32), and wherein rotation of the rotary actuator effects axial movement of at least one of the plurality of drive heads between an operative position and an inoperative position.

2. The torque tool according to claim 1 wherein the drive heads comprise a plurality of nested sockets (22, 24, 26).

3. The torque tool according to claim 1 or claim 2 wherein the drive heads are surrounded by a nose cone (14) and wherein the actuator is operable by rotation of the nose cone.

4. The torque tool according to any preceding claim wherein the actuator is operable remotely.

5. The torque tool according to any preceding claim wherein the actuator is operable from the exterior of the torque tool.

6. The torque tool according to any of claims 3 to 5 wherein the nose cone is operable to be rotated by a standard remotely operated vehicle (ROV) torque bucket.

7. The torque tool according to any preceding claim wherein the drive heads are rotationally keyed to one another.

8. The torque tool according to any preceding claim wherein the drive head selection mechanism further comprises a cam mechanism configured to translate rotary

movement of the actuator to axial movement of at least one of the plurality of drive heads between an operative position and an inoperative position.

9. The torque tool according to claim 8 wherein the drive head selection mechanism comprises at least one drive head guide which couples the at least one drive head to the cam mechanism, and wherein the at least one drive head is configured to rotate with respect to the cam mechanism during operation of the driving mechanism to impart a torque to an operative drive head.

10. A drive head selection mechanism (30) for a subsea torque tool, the drive head selection mechanism comprising:
a plurality of drive heads (24, 24, 26);
an actuator;
characterised in that the drive head selection mechanism includes a cam mechanism which translates rotary movement of the actuator to axial movement of at least one of a plurality of drive heads between an operative position and an inoperative position;
wherein the at least one drive head is configured to rotate with respect to the cam mechanism when a driving torque is applied to the torque drive heads.

11. A method of operating a subsea torque tool, the method comprising:
providing a subsea torque tool comprising a tool housing; a plurality of torque drive heads; a drive mechanism operable to rotate the plurality of torque drive heads; and a drive head selection mechanism comprising an actuator;
characterised in that the method further comprises: rotating the actuator to effect axial movement of at least one of the plurality of drive heads between an operative position and an inoperative position.

12. The method according to claim 11 comprising rotating the actuator from the exterior of the torque tool.

13. The method according to claim 11 or claim 12 comprising operating the driving mechanism to impart a torque to an operative drive head.

14. A subsea vehicle system comprising the torque tool according to any of claims 1 to 9.

15. The subsea vehicle system of claim 14, comprising a Remotely Operated Vehicle (ROV).