

Annex – Conditional Proposed Amendments to the Claims:

1. A hydraulic apparatus for tensioning a bolt, the apparatus comprising:-

a first member adapted to engage a bolt gripping means;

a second member slidably connected to said first member such that said first and second members are adapted to be forced apart under hydraulic pressure to enable said first member to apply axial force to said bolt gripping means to tension a bolt;

a sleeve member connected to said first or second member and located in use between said first or second member and said bolt gripping means; and

compressible biasing means arranged between said sleeve member and the other of said first or second member, and adapted to be compressed by movement apart of said first and second members, such that when said hydraulic pressure is released, said biasing means urges said first and second members together to release the axial force applied to the bolt gripping means.

2. An apparatus according to claim 1, wherein said sleeve member is connected to said first or second member by means of a retaining clip in the form of one of more split rings.

3. An apparatus according to claim 2, wherein the sleeve member is connected to said first or second member by means of a single said split ring.

4. An apparatus according to any one of the preceding claims, wherein said first and second members define a substantially annular chamber therebetween for receiving hydraulic fluid therein.

5. ~~An apparatus according to any one of the preceding claims, wherein said sleeve member is located in use between said first or second member and said bolt gripping means.~~

6.—An apparatus according to any one of the preceding claims, further comprising hydraulic pressure release means for releasing the hydraulic pressure acting between said first and second members when said first and second members are forced apart by a predetermined amount.

67. An apparatus according to claim 56, wherein said pressure release means comprises at least one needle valve arranged between a hydraulic chamber defined between said first or second members into which the other of said first or second members extends and a space adjacent said biasing means, wherein the said valve is adapted to be actuated by said sleeve member coming into contact therewith when said first and second members are forced apart by a predetermined amount.

78. An apparatus according to claim 67, wherein the or each said valve is adapted to discharge hydraulic fluid from said space adjacent said biasing means to the exterior of the apparatus.

89. An apparatus according to any one of the preceding claims, further comprising indicator means for providing an indication that said first and second members are forced apart by a predetermined amount.

940. An apparatus according to claim 89, wherein the indicator means comprises at least one marking on said first or second member such that the or each said marking only becomes Visible when said first and second members are forced apart by a predetermined amount.

1044. An apparatus according to any one of the preceding claims, further comprising bolt gripping means for gripping a bolt and adapted to be engaged by said first member.

1142. A hydraulic apparatus for tensioning a bolt, the apparatus substantially as hereinbefore described with reference to Figure 4 of the accompanying drawings.

Claim No. IP-2016-0

IN THE HIGH COURT OF JUSTICE

CHANCERY DIVISION

INTELLECTUAL PROPERTY

ENTERPRISE COURT

B E T W E E N:

TORQUE TENSION SYSTEMS
LIMITED t/a SPX BOLTING SYSTEMS

Claimant

and

(1) HIRE TORQUE LIMITED
(2) HTL WORLDWIDE LIMITED
(3) MR JON NAYLOR
(4) MR STEPHEN STUART JONES
(5) MR PAUL ANTHONY STOREY
(6) CLIFTON ENGINEERING (NORTH
EAST) LIMITED
(7) PRECISION 2000 LIMITED
(8) MR RICHARD PEARSON
(9) MR ANDREW ROBERT PEARSON
Defendants

STATEMENT OF REASONS

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