

United States District Court,  
S.D. Texas, Houston Division.

**ROBBINS & MYERS CANADA, LTD. and Robbins & Myers Energy Systems LP ,**  
Plaintiffs.

v.

**TORQUE CONTROL SYSTEMS, LTD,**  
Defendant.

**Nov. 22, 2004.**

### **CLAIM CONSTRUCTION ORDER**

**KENNETH M. HOYT, Judge.**

The Court construes the following claim construction terms of U.S. Patent 6,199,630 as set forth below:

#### **TERMS TABLE**

<b>Claim</b>	<b>Term</b>	<b>Definition</b>
Claim 1	Outer Housing	A support or frame having a generally hollow interior for receiving a tubing string hanger
Claim 1	Means for Attaching	Bolts or threaded studs to a flange threaded or integrally connected to the casing bowl, and equivalents thereof
Claim 1	Drive Assembly	A generally hollow rotating gear mandrel and drive gear
Claim 1	Generally Hollow Rotating Gear Mandrel	A generally hollow rotating member with gear teeth for cooperating with the drive gear to achieve rotation
Claim 1	Tubing String Hanger	A support for the series of tubing sections that make up the tubing string
Claim 1	Means for Attaching to and Supporting a Tubing String	A threaded bore into which a portion of a tubing string, a tubing string adapter or a nipple may be threaded, and equivalents thereof
Claim 1	Means to Operatively Engage Said Tubing String	Splines and an equivalent gear arrangement between the mandrel and the tubing hanger which rotates the hanger with the mandrel while allowing the hanger to be disengaged from the mandrel without withdrawal of the mandrel and the drive gear
Claim 2	Downwardly Oriented Thrust Load	A generally downward force transmitted from the tubing hanger to the tubing gear mandrel
Claim 6	Tapered Roller Bearing	A bearing with a roller or cylinder which is tapered toward at one end

Claim 8	Withdrawal of Rotating Gear Mandrel	A rotating gear mandrel having an interior bore sized to receive the downhole pump or tool attached to the tubing string so that the components may be withdrawn from the well without the tubing mandrel
Claim 10	Hold-Down Housing	A body that holds down another object
Claim 12	Hold-Down Mandrel	A shaft that cooperates with the hold-down housing to hold down the tubing string mandrel

The above construction is based on the Court's review of the patent, the legal authority regarding claim construction principles and dictionary definitions.

S.D.Tex.,2004.

Robbins & Myers Canada, Ltd. v. Torque Control Systems, Ltd.

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