3-D Sprag In Ratcheting Tool

Case Number: GSC-13802-1
Patent Number: 6,584,874
Patent Exp. Date: 7/27/2016

DESCRIPTION

This technology is a ratcheting device that is comprised of a driver hear assembly which includes at least two three dimensional sprag elements positioned within a first groove within the driver hear. The 3-D sprag elements lockingly engage the driver head to allow for rotation of the hub assembly. This allows the ratcheting tool to impart torque in either the clockwise or counterclockwise direction without having to first rotate the ratcheting tool in the direction opposite the direction in which the torque is applied.

FEATURES AND BENEFITS

- The technology increases performance of a roller locking device about four-fold in addition to increasing torque by a factor of two at half the size.
- The technology allows for longer life as contact stresses are less and there is natural lubrication path around the sprag due to grooves.

APPLICATIONS

- Hand Tools

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-13802-1, please contact:

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