

A ROTARY ADAPTOR WITH DECELERATING MECHANISM

ABSTRACT

A rotary adaptor with decelerating mechanism for connection to a complementary device comprising a body and at least one arm having one end configured to couple to the body, the at least one arm movable between a first position and a second position, wherein in the first position, the at least one arm is retracted, and in the second position, the at least one arm is expanded outwardly with the other end of the at least one arm configured to contact a surface of the complementary device to provide interfacial friction. In use, when the rotary adaptor is rotating at an angular velocity of more than or equal to a threshold, the arm expands outwardly to the second position, wherein the other end of the at least one arm contacts and rubs against the surface of the complementary device to provide interfacial friction and cause decelerating of the rotary motion.

Figure 4