

## **POWERED GRIP CLAMPING FORCE**

### **ABSTRACT**

A powered grip that can engage and hold an item. The grip comprising a primary body member, an actuator dependent from the primary body member. A pair of spaced apart clamp jaws to move towards and away from each other are also provided. These are configured to clamp onto an item to be tested. A force transmission mechanism is operatively located intermediate of the actuator and each of the clamp jaws of the pair of clamp jaws to displace the clamp jaws relative the primary body and that, through mechanical advantage, establishes a multiplication of the force of the actuator force at the clamp jaws. A force transmission mechanism geometry adjuster can adjust the geometry of the force transmission mechanism in order to vary the spacing between the clamp jaws to thereby, for any given operating force applied by the actuator to the force transmission mechanism, allow the pre-testing setting of the spacing between the jaws such that the range of force applied by the clamping jaws to the item to be tested is within a desired range.

Figure 1