

ABSTRACT

IMPACT DROP TESTER FOR PORTABLE CONSUMER PRODUCTS

A drop tester (1) including a gripper mechanism (2) for holding a product (37) to be tested, a guide track, a slider block (3) which is mounted to slide along the guide track and advance
5 the mechanism toward a target location (41) and a release device (40) for triggering release of the product from the mechanism to impact at the target location, characterised in that the gripper mechanism includes gripper arms (15, 16) coupled to the slider block, the gripper arms being rotatable relative to the slider block to enable the orientation of the product to be varied, relative to the target location. The slider block is preferably releasably coupled to a
10 hoisting block (4) which is positionable at a predetermined location along the guide track. More preferably, the gripper arms are pivotally mounted to a housing (23) and coupled to a piston (22) provided within the housing, the arms pivoting between a gripping position and a release position upon advancement of the piston through the housing.

Fig. 1 is to be published.