

**CLAMPING APPARATUS WITH A CHUCK AND A PALLET
RELEASABLY ATTACHABLE THERETO**

Abstract

The clamping apparatus comprises a chuck member and a pallet releasably attachable thereto. The chuck member has four centering grooves, arranged offset to each other by 90° around the central Z-axis, while the pallet has four correspondingly located centering pins. In each of the four centering grooves, one of the groove flanks serves for centering the associated centering pin of the pallet, while the other groove flank is constituted by a clamping member. Upon clamping the pallet to the chuck member, the associated clamping member engages a recess provided on the centering pin and pulls the latter one in Z-direction into the centering groove of the chuck member. Simultaneously, the clamping member also presses the centering pin against the other groove flank. Thereby, the pallet is positioned relative to the chuck member in X-, Y- and Z-directions and clamped to the chuck member.

(Fig. 1)