



162162

- 18 -

**CLAMPING APPARATUS WITH A CLAMPING CHUCK AND A WORK PIECE
CARRIER RELEASABLY CONNECTABLE THERETO**

Abstract

In a clamping apparatus for fixing a work piece carrier with a clamping pin in a clamping chuck, the clamping chuck is provided with a central opening for receiving the clamping pin and with a clamping mechanism firmly keeping the clamping pin in the central opening. The central opening has a conical inserting portion, and the clamping pin comprises a rear section with exposed aligning surfaces, engaging the conical inserting portion, to align the clamping pin with regard to the clamping chuck in X- and/or Y- directions. Circular seat portions on top of the clamping chuck constitute the Z-stop for the work piece carrier. For pneumatically cleaning the exposed aligning surfaces, the conical inserting portion is provided with gas outlet openings, located corresponding to the arrangement of the exposed aligning surfaces. The surface areas of the work piece carrier that will rest on the seat portions are pneumatically cleaned by gas outlet openings located in the center of the seat portions.



G00002