

## ABSTRACT

### APPARATUS AND METHOD FOR FLANGE-PIPE ALIGNMENT

5           The present invention provides an apparatus and method for aligning a flange to a  
pipe. The apparatus includes a base, a jig moveably supported on the base and a detector  
attached to the base and disposed adjacent to the jig. A flange is clamped by the jig and  
rotates following the rotation of the jig by which, a profile of an inner surface of the flange  
is measured by the detector and a flange position reference is determined. The jig then  
10 moves relative to the base, based on the flange position reference, to align the flange to the  
pipe.

(Fig. 4)