

SELF-ALIGNING SLIDER AND PLATFORM CLAMPING SYSTEM FOR MANUFACTURING INTEGRATED LEAD SUSPENSIONS

ABSTRACT

A clamp assembly (1) holds an integrated lead suspension (3) during assembly. The clamp assembly (1) has a number of features for precisely positioning the integrated lead suspension (3) while transducer heads (11) are being mechanically and electrically connected to it. The clamp assembly (1) works in conjunction with a stationary platform which restricts movement of the suspension (3) in three directions. The clamp assembly (1) includes upper and lower support plates (15,17) which compensate for lateral misalignment, and a pair of clamps (31,33) which independently isolate the suspension (3) and slider (11) while compensating for rotational misalignment.

FIG 2

This Sheet Has Been Replaced

