

THIS SHEET HAS BEEN
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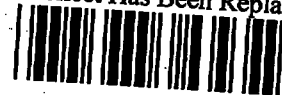
THREE STAGE SELF ALIGNMENT STRUCTURE AND METHOD

Abstract

A structure is shown having three stages for guiding a system component into an operatively mounted position within an enclosure while simultaneously making a blind attachment of the electrical connectors to complete the power and signal circuits between the component and system contained within the enclosure. A coarse positioning structure includes a guide rail means for directing the component toward the operative, mounted position; an intermediate positioning structure (39,46) functions within the tolerance of the coarse positioning means to substantially align the component including the electrical connectors and a fine positioning means (44) aligns the electrical connectors for the final positioning as the component is latched into the operating position and electrical connections are completed. The three positioning functions are initiated serially.

Figure : 5

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