

ABSTRACT OF THE DISCLOSURE
CONTINUOUS FLOW DIP TINNING SYSTEM

A device for carrying electronic components of various sizes and lengths from a loading area to an unloading area. The device has an endless loop conveyor having a continuously moving element extending longitudinally between the loading area and the unloading area. It also has a plurality of gripping element for gripping the electronic components, which are opened at the loading and unloading areas over a predetermined distance for enabling engagement of at least one electronic component and gripping thereof at the loading area, and disengagement of the electronic component and release thereof at the unloading area. The gripping elements are attached to the continuously moving element and have a pair of elongated legs pivotably connected together in a plane transversal to the continuous moving element and having opposite lower ends. A spring is operatively associated with the legs for urging the lower ends of the legs together. A pair of opposed finger assemblies are connected to the lower ends of the legs respectively, and extending perpendicularly thereto. Each finger assembly includes a row of parallel, spaced apart, generally flat strips, the flat strips of both finger assemblies having inner edges for gripping at least one electronic component exposed to air. The strips of at least one of the finger assemblies is rotatably connected to the lower end of the corresponding leg and urged into gripping position. This device is particularly well adapted for use in a DIP tinning machine.

This Sheet Has Been Replaced

