

ABSTRACT

AUTOMATIC WIRE THREADING METHOD AND SYSTEM

- 5 A wire threading method for automatically threading a bonding wire in a wire bonding apparatus includes the following steps: feeding a length of the bonding wire from a wire spool into an air path device; tensioning the bonding wire with an airflow generated in the air path device and simultaneously guiding a wire tail of the bonding wire to an operation location with the air path device; gripping and straightening the wire tail at
- 10 the operation location with a wire manipulating device; conveying the straightened wire tail to a threading location with the wire manipulating device; and threading the straightened wire tail with a wire threading device through a bonding tool of the wire bonding apparatus.
- 15 [FIG. 1]