

ABSTRACT**MICROWAVE HEATING DEVICE AND MICROWAVE GUIDING TUBE THEREOF**

The present invention is a microwave heating device and has a microwave guide tube (10, 10D), two microwave transmitting modules (20), and a transmission module (30). The microwave guide tube (10, 10D) forms a wave travelling path and has at least one conveying opening pair (13) and at least one waveguide plate pair (14, 14D). The at least one conveying opening pair (13) has two conveying openings (131, 131B, 131C, 131D) respectively disposed on two opposite walls of the microwave guide tube (10, 10D) along a conveying direction. The at least one waveguide plate pair (14, 14D) is disposed in the microwave guide tube (10, 10D) and has two waveguide plates (141, 141A, 141B, 141C, 141D) parallel with the wave travelling path. The two microwave transmitting modules (20) are disposed on two opposite ends of the microwave guide tube (10, 10D). The transmission module (30) extends through the at least one conveying opening pair (13) along the conveying direction.

Fig. 1