

Title (en)  
HIGH FREQUENCY HEATING DEVICE

Title (de)  
VORRICHTUNG ZUR HOCHFREQUENZERWÄRMUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE À HAUTES FRÉQUENCES

Publication  
**EP 3429314 A1 20190116 (EN)**

Application  
**EP 17763052 A 20170302**

Priority  
• JP 2016046414 A 20160310  
• JP 2017008210 W 20170302

Abstract (en)  
A high frequency heating device according to the present disclosure includes: a heating chamber having an opening on a front surface and accommodating an object to be heated; a high frequency wave generation unit that supplies high frequency waves to the heating chamber to heat the object to be heated; and a door that covers the opening in an openable manner and has a radio wave sealing portion at a position facing a peripheral edge surface of the opening. The radio wave sealing portion is provided with an open hole formed at a position facing the peripheral edge surface of the opening, and a choke groove curving toward the heating chamber with respect to the open hole. The choke groove is formed by bonding a plurality of conductors. The plurality of conductors includes a first conductor provided with a protrusion protruding to an inner side of the heating chamber near a bonding portion where the plurality of conductors is bonded. A backside space of the protrusion constitutes a part of the choke groove.

IPC 8 full level  
**H05B 6/76** (2006.01); **F24C 7/02** (2006.01)

CPC (source: EP)  
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Cited by  
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