

Title (en)  
HIGH-FREQUENCY HEATING DEVICE

Title (de)  
HOCHFREQUENZERWÄRMUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF CHAUFFANT HAUTE-FRÉQUENCE

Publication  
**EP 3481149 B1 20230510 (EN)**

Application  
**EP 17819906 A 20170616**

Priority  
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• JP 2017022304 W 20170616

Abstract (en)  
[origin: EP3481149A1] High-frequency power generation unit (120) configured to generate high-frequency power, surface wave excitation body (103) configured to propagate the high-frequency power with a surface wave to heat heating-target object (102), high-frequency power supply unit (110) configured to supply the high-frequency power to surface wave excitation body (103), and mounting stand (101) on which heating-target object (102) is mounted. In accordance with a desired degree of surface concentration of the high-frequency power around surface wave excitation body (103), high-frequency power generation unit (120) sets a magnitude relationship between a frequency of the high-frequency power to be supplied to surface wave excitation body (103) and an exciting frequency of surface wave excitation body (103) to heat heating-target object (102). High-frequency heating device (100) capable of changing a heating state in a thickness direction of heating-target object (102) is therefore provided.

IPC 8 full level  
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CPC (source: EP)  
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