

Title (en)
HIGH-FREQUENCY HEATING DEVICE

Title (de)
HOCHFREQUENZERWÄRMUNGSVORRICHTUNG

Title (fr)
DISPOSITIF CHAUFFANT À HAUTE FRÉQUENCE

Publication
EP 3503682 B1 20200401 (EN)

Application
EP 17843289 A 20170724

Priority
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• JP 2017026621 W 20170724

Abstract (en)
[origin: EP3503682A1] A high-frequency heating device (1a) includes a first generation unit (8), a surface wave exciter (9), and a first connecting unit (12). The first generation unit (8) generates microwaves. The surface wave exciter (9) includes a plurality of metal plates (11) periodically arranged at a predetermined interval in a propagation direction of the microwaves and heats a heating subject (6) by propagating the microwaves in a surface wave mode. The first connecting unit (12) is provided in a middle portion of the surface wave exciter (9) in the propagation direction (D) of the microwaves generated by the first generation unit so that the microwaves are supplied to the surface wave exciter (9) through the first connecting unit (12). According to the present aspect, a heating subject can be more evenly heated.

IPC 8 full level
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CPC (source: EP)
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