

Title (en)
HIGH-FREQUENCY HEATING DEVICE

Title (de)
HOCHFREQUENZERWÄRMUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CHAUFFAGE HAUTE FRÉQUENCE

Publication
EP 3780909 B1 20220504 (EN)

Application
EP 19781210 A 20190329

Priority
• JP 2018073616 A 20180406
• JP 2018073617 A 20180406
• JP 2019014067 W 20190329

Abstract (en)
[origin: EP3780909A1] A high-frequency heating device includes: a high-frequency power generator configured to generate microwaves; a surface wave line containing a conductive material; a power feeder connected to the high-frequency power generator; and a loop antenna disposed at a front end of the power feeder and facing an end of the surface wave line. In this aspect, a high input impedance can be maintained, and a decrease of radiation resistance can be prevented or reduced. As a result, the size of the power feeder can be reduced, and surface wave heating can be efficiently performed.

IPC 8 full level
H05B 6/72 (2006.01); **H05B 6/74** (2006.01)

CPC (source: EP)
H05B 6/72 (2013.01); **H05B 6/74** (2013.01)

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DOCDB simple family (publication)
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