

Title (en)  
INDUCTION HEATING DEVICE

Title (de)  
INDUKTIONSGEIZVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE PAR INDUCTION

Publication  
**EP 4319487 A1 20240207 (EN)**

Application  
**EP 22780847 A 20220329**

Priority  
• JP 2021059885 A 20210331  
• JP 2022015263 W 20220329

Abstract (en)  
An improved induction heating device for generating aerosol by heating an aerosol forming base substance is provided. An induction heating device 100 for heating an aerosol forming base substance 108, which comprises a susceptor 110 and an aerosol source 112, includes: an electric power source 102; a coil 106 for heating the susceptor 110 by induction heating; a parallel circuit 130 which includes a first circuit and a second circuit arranged in parallel in positions between the electric power source 102 and the coil 106, in which the first circuit is used for heating the susceptor 110, and the second circuit is used for obtaining a value relating to electric resistance or temperature of the susceptor 110; and an AC generation circuit 132 which is arranged in a position between the parallel circuit 130 and the coil 106 or between the parallel circuit 130 and the electric power source 102.

IPC 8 full level  
**H05B 6/06** (2006.01); **H05B 6/10** (2006.01)

CPC (source: EP)  
**A24F 40/50** (2020.01); **H05B 6/06** (2013.01); **H05B 6/105** (2013.01); **H05B 6/108** (2013.01); **A24F 40/20** (2020.01); **A24F 40/465** (2020.01)

Citation (search report)  
See references of WO 202210636A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4319487 A1 20240207**; JP 2022156285 A 20221014; JP 6923771 B1 20210825; WO 2022210636 A1 20221006

DOCDB simple family (application)  
**EP 22780847 A 20220329**; JP 2021059885 A 20210331; JP 2022015263 W 20220329