

Title (en)
HEATING ELEMENT AND ELECTROMAGNETIC HEATING BAKING DEVICE

Title (de)
HEIZELEMENT UND ELEKTROMAGNETISCHE HEIZBACKVORRICHTUNG

Title (fr)
ÉLÉMENT CHAUFFANT ET DISPOSITIF DE CUISSON À CHAUFFAGE ÉLECTROMAGNÉTIQUE

Publication
EP 4096364 A4 20240417 (EN)

Application
EP 21761455 A 20210121

Priority
• CN 202010118849 A 20200226
• CN 2021072966 W 20210121

Abstract (en)
[origin: EP4096364A1] The present application relates to a heating element and an electromagnetic heating baking device. The electromagnetic heating baking device comprises a fixing frame, an accommodating tube and a heating element. A magnetic induction coil is provided on the fixing frame, and an accommodating cavity is formed around the coil. The accommodating tube is located in the accommodating cavity, and the accommodating tube is used for accommodating baking material. The heating element comprises an insertion part, and the insertion part is a revolving body structure and is located in the accommodating tube. The insertion part is used for insertion into the baking material and heating the baking material by means of a magnetic field generated by the magnetic induction coil.

IPC 8 full level
H05B 6/36 (2006.01); **A24F 40/465** (2020.01)

CPC (source: CN EP KR)
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A24F 40/20 (2020.01 - EP); **H05B 2206/02** (2013.01 - KR)

Citation (search report)
• [X] US 2019380391 A1 20191219 - REEVELL TONY [GB]
• [I] WO 2019030000 A1 20190214 - PHILIP MORRIS PRODUCTS SA [CH]
• [I] CN 108617042 A 20181002 - HUBEI CHINA TOBACCO IND CO LTD
• [A] CN 208175984 U 20181204 - SHENZHEN BRANCH HUIZHOU KIMREE TECH CO LTD
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• [A] EP 3610741 A1 20200219 - KT & G COPORATION [KR]
• See also references of WO 2021169685A1

Designated contracting state (EPC)
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KR 20220133277 A 20221004; WO 2021169685 A1 20210902

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