

# (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2024/0237163 A1 CHO et al.

Jul. 11, 2024 (43) **Pub. Date:** 

## (54) COOKING DEVICE

### (71) Applicants: GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD., FOSHAN (CN); MIDEA GROUP CO., LTD., FOSHAN (CN)

(72) Inventors: Jaeman CHO, FOSHAN (CN); Lin AN, FOSHAN (CN); Qihong LING, FOSHAN (CN); Gang LIU, FOSHAN (CN); Mingyang XIE, FOSHAN (CN)

(21) Appl. No.: 18/561,721

(22) PCT Filed: May 17, 2022

(86) PCT No.: PCT/CN2022/093386

§ 371 (c)(1),

(2) Date: Nov. 16, 2023

#### (30)Foreign Application Priority Data

May 17, 2021 (CN) ...... 202110535224.2

### **Publication Classification**

(51) Int. Cl. H05B 6/64 (2006.01)H05B 6/68 (2006.01)

U.S. Cl. CPC ...... H05B 6/642 (2013.01); H05B 6/6402 (2013.01); H05B 6/687 (2013.01)

#### ABSTRACT (57)

A cooking device is provided. The cooking device including: a housing having a cooking cavity; and a gas circulation apparatus disposed in the housing and configured to drive gas in the cooking cavity to flow and circulate. The gas circulation apparatus includes a gas driving part. When driven by the gas driving part, gas has a first part flowing in a first direction and a second part flowing in a second direction, one of the first direction and the second direction is a circumferential direction of the gas driving part, and another of the first direction and the second direction is a radial direction of the gas driving part.

