



US 20240179809A1

(19) **United States**

(12) **Patent Application Publication**
KRING et al.

(10) **Pub. No.: US 2024/0179809 A1**

(43) **Pub. Date: May 30, 2024**

(54) **INDUCTION COILS FOR COOKING SURFACES**

Publication Classification

(51) **Int. Cl.**

H05B 6/12 (2006.01)

H05B 6/06 (2006.01)

(52) **U.S. Cl.**

CPC H05B 6/1272 (2013.01); H05B 6/065 (2013.01)

(71) Applicant: **W.C. BRADLEY CO.**, Columbus, GA (US)

(72) Inventors: **JAMES D. KRING**, Opelika, AL (US); **RAMIN KHOSRAVI RAHMANI**, Columbus, GA (US); **Thomas Kessler**, Columbus, GA (US); **Jonathan Whitten**, Fortson, GA (US); **Bryan Solomon**, Columbus, GA (US)

(21) Appl. No.: **18/525,114**

(22) Filed: **Nov. 30, 2023**

Related U.S. Application Data

(60) Provisional application No. 63/428,885, filed on Nov. 30, 2022.

(57) **ABSTRACT**

A coil system for inductive heating of a cooking surface including at least one coil having a continuous winding from a center region to an outer region. A spacing within adjacent wires in the winding varies between a center of the winding and an outer portion of the winding.

