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Eke et al.(10) **Pub. No.: US 2022/0369433 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **OVENS WITH METALLIC BELTS AND  
MICROWAVE LAUNCH BOX ASSEMBLIES  
FOR PROCESSING FOOD PRODUCTS****Publication Classification**

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Dec. 6, 2018, now Pat. No. 11,412,584.(60) Provisional application No. 62/596,324, filed on Dec.  
8, 2017.**ABSTRACT**

In certain examples, a food processing machine for processing a food product includes a housing defining a cavity, a conveyor with a belt comprising metal for conveying the food product through the cavity in a longitudinal direction, and a convection heating system for heating air in the cavity such that heated air heats the food product as the food product is conveyed through the cavity. A microwave launch box system is configured to emit microwave energy into the cavity in a lateral direction transverse to the longitudinal direction to thereby further heat the food product as the food product is conveyed through the cavity.

