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(19) **United States**(12) **Patent Application Publication**
HOFMANN et al.(10) **Pub. No.: US 2022/0369432 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **SUPPORT SYSTEM FOR AN OBJECT, IN PARTICULAR FOR FOOD BEING TREATED**(52) **U.S. Cl.**
CPC **H05B 6/6411** (2013.01); **A47J 36/027** (2013.01)(71) Applicant: **ELECTROLUX APPLIANCES**
AKTIEBOLAG, Stockholm (SE)(72) Inventors: **Arnd HOFMANN**, Rothenburg ob der Tauber (DE); **Klaus SCHLÖTTERER-FRATOIANNI**, Rothenburg ob der Tauber (DE)(57) **ABSTRACT**

The present invention relates to a support system (10) for an object, in particular for food (34) being treated. The support system (10) comprises an upper part (12) and a lower part (14). The upper part (12) includes a support plate (16) for bearing the object (34). The support system (10) comprises at least three guiding elements (20) and a guiding rail (22). The guiding elements (20) belong to one of the upper part (12) or the lower part (14), while the guiding rail (22) belongs to the other one of the upper part (12) or the lower part (14). The guiding rail (22) is formed as a circular ring and includes at least three identical segments. Each segment of the guiding rail (22) includes at least three horizontal sections arranged at different levels. The upper part (12) is rotatable with respect to the lower part (14) around a common vertical central axis. The guiding elements (20) are sliding along the guiding rail (22) during the rotation of the upper part (12) with respect to the lower part (14). The level of the support plate (16) is adjustable by the rotation of the upper part (12) with respect to the lower part (14).

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