



US 20240214514A1

(19) **United States**

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

(10) **Pub. No.: US 2024/0214514 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **REFRIGERATION SYSTEM WITH
TEMPERATURE MONITORING**

G06V 20/52 (2006.01)

G06V 20/68 (2006.01)

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

CPC **H04N 5/33** (2013.01); **A47F 3/0426**

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(2013.01); **G01J 5/0066** (2013.01); **G06V**

20/52 (2022.01); **G06V 20/68** (2022.01); **G01J**

2005/0077 (2013.01)

(21) Appl. No.: **18/198,592**

(22) Filed: **May 17, 2023**

(30) **Foreign Application Priority Data**

Dec. 23, 2022 (IN) 202241075042

Publication Classification

(51) **Int. Cl.**

H04N 5/33 (2006.01)

A47F 3/04 (2006.01)

G01J 5/00 (2006.01)

(57) **ABSTRACT**

Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for determining if a product in a refrigerated display case has likely spoiled. The method can include: obtaining, from one or more thermal cameras installed in a refrigerated case, multiple images of the inside of the refrigerated case; determining, based on the multiple images, a surface temperature of one or more products contained in the refrigerated case; determining that the surface temperature of at least one product violated a spoilage temperature for a period of time; and in response to determining that the surface temperature of at least one product violated a spoilage temperature for a period of time, providing, for display on a user computing system, a graphical interface indicating that the product is likely spoiled.

