

Title (en)

Refrigerator and refrigerator system for monitoring food

Title (de)

Kühlschrank und Kühlanlage für die Überwachung der Lebensmittel

Title (fr)

Système de réfrigérateur et réfrigérateur pour vérifier l'état des aliments

Publication

**EP 2843337 A1 20150304 (EN)**

Application

**EP 13182845 A 20130903**

Priority

EP 13182845 A 20130903

Abstract (en)

The present invention provides a refrigerator and a refrigeration system capable of easily discriminating food in the storage chamber. The refrigerator includes communication means (53) which are connectable to the internet, and a camera (35) which captures the food in the storage chamber. The communication means (53) transmit image data captured with the camera (35) to a server connected to the internet. The image data is visually confirmed through a display terminal (15) connected to the server. In-refrigerator illumination lamps (34) that illuminate the inside of the storage chamber at the time of the capturing with the camera (35) are provided in the storage chamber. The cameras (35) and the in-refrigerator illumination lamps (34) are positioned on each sidewall of the storage chamber. Therefore, the food in the storage chamber can be captured brightly and clearly. Further, the image processing for facilitating the discrimination of the food is not necessary, and the refrigerator can be put to practical use at low cost.

IPC 8 full level

**F25D 29/00** (2006.01)

CPC (source: EP)

**F25D 29/00** (2013.01); **F25D 27/00** (2013.01); **F25D 2500/06** (2013.01)

Citation (applicant)

- JP 2002236798 A 20020823 - MATSUSHITA REFRIGERATION
- JP 2007046833 A 20070222 - FUNAI ELECTRIC CO
- JP 2002081818 A 20020322 - HITACHI LTD

Citation (search report)

- [X] US 2007152076 A1 20070705 - CHIANG KUO C [TW], et al
- [X] JP 2002267336 A 20020918 - HITACHI LTD
- [X] US 2006096303 A1 20060511 - KAVOUNAS GREGORY T [US]

Cited by

CN107850385A; EP3128273A1; CN106247754A; CN109952480A; EP3543630A4; WO2018206323A1; WO2017012818A1; US10027866B2; US11750909B2; TWI683986B

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Designated extension state (EPC)

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DOCDB simple family (publication)

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