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**Heo et al.**

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(54) **REFRIGERATOR AND OPERATION METHOD THEREOF**

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(57) **ABSTRACT**

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According to the present invention, a refrigerator that may save power rates is provided. The refrigerator according to the present invention includes a door; a communication unit; a sensing unit; a memory unit; an output unit; and a controller configured to sense an opening state of the door, obtain power consumption information consumed as the door is opened from the memory unit considering at least one of the opening state of the door and an attribute of the door and configured to output through the output unit power rates information corresponding to the power consumption information, considering power information received through the communication unit.

(52) **U.S. Cl.**  
CPC ..... **G01R 21/00** (2013.01); **F25D 29/00** (2013.01); **F25D 2400/361** (2013.01); **F25D 2700/02** (2013.01)

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See application file for complete search history.

**10 Claims, 10 Drawing Sheets**

