

Title (en)
Refrigerator and method for controlling the same

Title (de)
Kühlschrank und Steuerungsverfahren dafür

Title (fr)
Réfrigérateur et procédé pour son contrôle

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Application
EP 11175667 A 20110727

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Abstract (en)
The present invention relates to refrigerators, and more particularly, to a refrigerator which can measure an amount of frost on an evaporator in real time and determine a frost removing time; and a method for controlling the same. The refrigerator includes a body having at least one storage space for low temperature storage, a compressor in the body for compressing refrigerant, an evaporator for making heat exchange between the refrigerant from the compressor and air in the storage space, a frost removal heater for removing frost from the evaporator, an optical sensor having a light emitting unit for directing a light to the evaporator and a light receiving unit for receiving the light from the light emitting unit, and a control unit for controlling operation of the frost removal heater with reference to a quantity of the light received at the light receiving unit.

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