

## ABSTRACT

## DEODORIZER USING OZONE AND REFRIGERATOR WITH THE SAME

A deodorizer used in a refrigerator with a circulation path  
5 through which cold air is circulated includes a first chamber  
(57) into which the cold air circulated in the refrigerator is  
disallowed to flow, a second chamber (59) into which the cold  
air circulated in the refrigerator is allowed to flow, a step-up  
transformer (58) disposed in the first chamber (57), an ozonizing  
10 electrode (60) disposed in the second chamber (59) and  
electrically connected to a secondary side of the step-up  
transformer (58), and an ozone decomposing catalyzer (61)  
decomposing ozone produced by the ozonizing electrode (60). The  
deodorizer is disposed in the circulation path in the  
15 refrigerator to deodorize the circulated cold air by use of the  
ozone produced by the ozonizing electrode (60).

Designated figure: FIG. 1