

Title (en)

Method and apparatus maintaining liquid beverages in a supercooled state

Title (de)

Verfahren und Vorrichtung zur Haltung flüssiger Getränke in einem supragekühlten Status

Title (fr)

Procédé et appareil pour la conservation de boissons liquides dans un état surfondu

Publication

EP 1980809 A2 20081015 (EN)

Application

EP 08152003 A 20080227

Priority

KR 20070034405 A 20070406

Abstract (en)

Disclosed herein is a refrigerator including a device to restrain the freezing of liquid-phase beverages, thereby stably maintaining the supercooled state of the liquid-phase beverages. The refrigerator includes a main body (10), a supercooling chamber (30) disposed in the main body (10) such that cool air is supplied to the supercooling chamber (30), a microwave generator (50) to oscillate microwaves to the supercooling chamber (30), and a control unit (53) to control the magnitude of the microwaves oscillated from the microwave generator (50). The present invention has the effect of restraining the freezing of the liquid-phase beverages, thereby stably maintaining the supercooled state of the liquid-phase beverages, and therefore, increasing the supercooled degree of the liquid-phase beverages.

IPC 8 full level

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Citation (applicant)

JP 2003214753 A 20030730 - HOSHIZAKI ELECTRIC CO LTD

Cited by

EP3168552A1; US10451337B2; WO2010079971A3; WO2024025584A1

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