

Title (en)
ICE-CRUSHING DEVICE AND REFRIGERATOR

Title (de)
EISZERKLEINERUNGSVORRICHTUNG UND KÜHLSCHRANK

Title (fr)
DISPOSITIF DE BROyage DE GLACE ET RÉFRIGÉRATEUR

Publication
EP 3957934 A1 20220223 (EN)

Application
EP 19925086 A 20191015

Priority
• CN 201910311461 A 20190418
• CN 2019111163 W 20191015

Abstract (en)
The present invention discloses an ice crushing device and a refrigerator. The ice crushing device comprises a housing assembly comprising a housing and an ice bank, an ice-discharging substrate being provided at the bottom of the ice bank, the ice-discharging substrate being provided with an ice-discharging port communicated with the ice bank; a driving mechanism for driving the ice bank or an ice cutter shaft to rotate; an ice crushing mechanism; a stop assembly; when the ice crushing device is in a first state, the stop assembly is in an initial state and a stopping surface is formed at the ice-discharging port to stop the ice cubes from falling; when the ice crushing device is in a second state, the stop assembly displaces or changes its shape under the action of an external force to release the stopping surface; after the external force disappears, the stop assembly returns to the initial state and forms the stopping surface again.

IPC 8 full level
F25C 5/04 (2006.01)

CPC (source: CN EP)
F25C 5/046 (2013.01 - EP); **F25C 5/12** (2013.01 - CN); **F25D 11/00** (2013.01 - CN)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3957934 A1 20220223; **EP 3957934 A4 20220601**; **EP 3957934 B1 20240320**; AU 2019440809 A1 20211104; AU 2019440809 B2 20230511; CN 111829239 A 20201027; WO 2020211309 A1 20201022

DOCDB simple family (application)
EP 19925086 A 20191015; AU 2019440809 A 20191015; CN 201910311461 A 20190418; CN 2019111163 W 20191015