

Title (en)

OPERATION CONTROL METHOD FOR ICE MAKER

Title (de)

BETRIEBSSTEUERUNGSVERFAHREN FÜR EISERZEUGER

Title (fr)

PROCÉDÉ DE COMMANDE DE FONCTIONNEMENT POUR MACHINE À GLAÇONS

Publication

EP 3904789 A4 20220309 (EN)

Application

EP 19902266 A 20190828

Priority

- JP 2018245322 A 20181227
- JP 2019033661 W 20190828

Abstract (en)

[origin: EP3904789A1] A method for controlling an operation of an ice-making machine 1 configured to make ice by cooling a medium to be cooled, through heat exchange with a refrigerant. The method includes increasing an evaporation temperature of the refrigerant to be supplied to the ice-making machine 1 when a drive current for an ice scraper 15 of the ice-making machine 1 is more than a first current value.

IPC 8 full level

F25C 1/00 (2006.01); **F25C 1/145** (2018.01); **F25C 5/12** (2006.01)

CPC (source: EP US)

F25B 49/022 (2013.01 - US); **F25C 1/145** (2013.01 - EP); **F25C 1/147** (2013.01 - EP US); **F25C 5/12** (2013.01 - US); **F25C 2301/002** (2013.01 - EP); **F25C 2600/04** (2013.01 - EP US); **F25C 2700/08** (2013.01 - EP)

Citation (search report)

- [XY] US 6694752 B2 20040224 - NOMURA TOMOHITO [JP], et al
- [Y] JP 2003056951 A 20030226 - KYUSHU ELECTRIC POWER, et al
- [X] JP 2003042610 A 20030213 - HOSHIZAKI ELECTRIC CO LTD
- [X] JP 2002323278 A 20021108 - HOSHIZAKI ELECTRIC CO LTD
- [X] JP H02213669 A 19900824 - TAKENAKA KOMUTEN CO, et al
- [X] US 2004083754 A1 20040506 - COCCHI GINO [IT], et al
- [X] WO 2005033597 A1 20050414 - HOSHIZAKI ELECTRIC CO LTD [JP], et al
- [A] JP 2004293949 A 20041021 - TAKASAGO THERMAL ENGINEERING
- See references of WO 2020136997A1

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 3904789 A1 20211103; **EP 3904789 A4 20220309**; **EP 3904789 B1 20230426**; CN 113227681 A 20210806; JP 2020106212 A 20200709; JP 6760361 B2 20200923; US 2022057130 A1 20220224; WO 2020136997 A1 20200702

DOCDB simple family (application)

EP 19902266 A 20190828; CN 201980085900 A 20190828; JP 2018245322 A 20181227; JP 2019033661 W 20190828; US 201917417816 A 20190828