

Title (en)
CHILLER SYSTEM

Title (de)
KÄLTEMASCHINENSYSYSTEM

Title (fr)
SYSTÈME DE REFROIDISSEMENT

Publication
EP 3163225 A4 20170628 (EN)

Application
EP 15812743 A 20150515

Priority
• JP 2014129487 A 20140624
• JP 2015064033 W 20150515

Abstract (en)
[origin: EP3163225A1] In a chiller system, any one of a plurality of chillers is designated as a master chiller. Out of the plurality of chillers, at least one chiller that needs a defrost operation sends a request for the defrost operation to the master chiller. The master chiller permits the defrost operation to the at least one chiller that has sent the request for the defrost operation in arrival order up to a predetermined number of chillers. At least one chiller on standby for the defrost operation sends the request for the defrost operation to the master chiller in a predetermined cycle. When there are multiple chillers that are on standby for the defrost operation, the master chiller permits a next defrost operation to one of the multiple chillers on standby in descending order of the number of the requests or a request time for the defrost operation.

IPC 8 full level
F25B 47/02 (2006.01); **F24F 11/02** (2006.01); **F25B 1/00** (2006.01); **F25B 49/02** (2006.01); **F25D 21/00** (2006.01); **F25B 13/00** (2006.01); **F25B 27/00** (2006.01)

CPC (source: EP KR US)
F24F 11/41 (2017.12 - KR); **F24F 11/63** (2017.12 - KR); **F24F 11/89** (2017.12 - KR US); **F25B 13/00** (2013.01 - KR); **F25B 27/00** (2013.01 - KR); **F25B 47/025** (2013.01 - EP KR); **F25B 49/02** (2013.01 - EP KR); **F25B 13/00** (2013.01 - EP); **F25B 27/00** (2013.01 - EP); **F25B 2313/003** (2013.01 - EP KR); **F25B 2313/02322** (2013.01 - EP KR); **F25B 2327/001** (2013.01 - EP KR); **F25B 2400/06** (2013.01 - EP KR)

Citation (search report)
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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 3163225 A1 20170503; **EP 3163225 A4 20170628**; AU 2015282150 A1 20170216; AU 2015282150 B2 20190103; CN 106461300 A 20170222; CN 106461300 B 20190917; JP 2016008774 A 20160118; JP 6290724 B2 20180307; KR 101892378 B1 20180827; KR 20160146931 A 20161221; WO 2015198742 A1 20151230

DOCDB simple family (application)
EP 15812743 A 20150515; AU 2015282150 A 20150515; CN 201580034424 A 20150515; JP 2014129487 A 20140624; JP 2015064033 W 20150515; KR 20167032682 A 20150515