

Title (en)
CHILLER SYSTEM

Title (de)
KÄLTEMASCHINENSYSYSTEM

Title (fr)
SYSTÈME DE REFROIDISSEUR

Publication
EP 3163219 A1 20170503 (EN)

Application
EP 15811419 A 20150515

Priority
• JP 2014129486 A 20140624
• JP 2015064032 W 20150515

Abstract (en)
A chiller system includes a plurality of heat pump chillers connected to each other, the plurality of heat pump chillers regulating a temperature of a circulating liquid as a heat medium for temperature regulation by condensation heat or evaporation heat of a refrigerant. When there is at least one active chiller out of the plurality of chillers, an operation command is transmitted, to one of the remaining chillers being stopped, under a condition that the following relation is satisfied: [total required operation capacity] / ([number of currently active chillers] + 1) #¥ [partial load capacity], where the [total required operation capacity] represents a total operation capacity required of the at least one active chiller, the [number of currently active chillers] represents the number of the at least one active chiller, and the [partial load capacity] represents a load capacity of a predetermined partial load.

IPC 8 full level
F25B 1/00 (2006.01); **F24F 11/02** (2006.01)

CPC (source: EP KR)
F24F 11/37 (2017.12 - KR); **F24F 11/38** (2017.12 - KR); **F24F 11/63** (2017.12 - KR); **F24F 11/89** (2017.12 - EP KR); **F25B 13/00** (2013.01 - KR); **F25B 27/00** (2013.01 - KR); **F25B 49/02** (2013.01 - EP KR); **F24F 2140/50** (2017.12 - 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); **F25B 2500/19** (2013.01 - EP KR); **F25B 2600/0251** (2013.01 - EP KR)

Cited by
EP3943828A4; US11698203B2

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 3163219 A1 20170503; **EP 3163219 A4 20170628**; **EP 3163219 B1 20200909**; **EP 3163219 B8 20201021**; AU 2015282149 A1 20170202; AU 2015282149 B2 20190103; CN 106461281 A 20170222; CN 106461281 B 20190514; JP 2016008773 A 20160118; JP 6355987 B2 20180711; KR 20160146909 A 20161221; WO 2015198741 A1 20151230

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EP 15811419 A 20150515; AU 2015282149 A 20150515; CN 201580033917 A 20150515; JP 2014129486 A 20140624; JP 2015064032 W 20150515; KR 20167032552 A 20150515