

Title (en)

Unit count control device, unit count control method, and fluid supply system

Title (de)

Vorrichtung und Verfahren zur Steuerung der Zählung von Einheiten und Flüssigkeitszufuhrsystem

Title (fr)

Dispositif de contrôle de nombre d'unités, procédé de contrôle de nombre d'unités et système d'alimentation de fluide

Publication

EP 2325570 A3 20130807 (EN)

Application

EP 10009569 A 20100914

Priority

JP 2009266361 A 20091124

Abstract (en)

[origin: EP2325570A2] [Object] In a fluid supply system which includes a plurality of heat pump units having a compressor and which supplies a fluid heated or cooled by the heat pump units to a fluid-using device, to control the operation unit count of heat pump units efficiently without grasping the air-conditioning capacities of the heat pump units. [Means of Solution] The operation frequency of the compressor provided to a predetermined heat pump unit of the plurality of heat pump units is acquired. Whether or not to operate, other than the predetermined heat pump unit of the plurality of heat pump units, remaining heat pump units is determined depending on the operation frequency acquired.

IPC 8 full level

F24D 19/10 (2006.01); **F24F 3/06** (2006.01); **F24F 11/00** (2006.01); **F25B 13/00** (2006.01); **F25B 25/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)

F24D 19/1039 (2013.01 - EP US); **F24F 3/06** (2013.01 - EP); **F24H 15/375** (2022.01 - EP US); **F24H 15/38** (2022.01 - EP US); **F25B 25/005** (2013.01 - EP); **F25B 49/022** (2013.01 - EP); **F24F 2203/021** (2013.01 - EP); **F24H 15/335** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F25B 2400/06** (2013.01 - EP)

Citation (search report)

- [X1] US 4676072 A 19870630 - HIGUCHI ITSUO [JP]
- [X1] DE 4337692 A1 19940511 - HITACHI LTD [JP], et al
- [X1] US 2007056300 A1 20070315 - CRANE CURTIS C [US]

Cited by

US11143434B2

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2325570 A2 20110525; **EP 2325570 A3 20130807**; JP 2011112235 A 20110609; JP 5053351 B2 20121017

DOCDB simple family (application)

EP 10009569 A 20100914; JP 2009266361 A 20091124