

Title (en)
DUCT-TYPE AIR CONDITIONING SYSTEM

Title (de)
KANALKLIMAANLAGE

Title (fr)
SYSTÈME DE CLIMATISATION DE TYPE CONDUIT

Publication
EP 3059517 A4 20170215 (EN)

Application
EP 14898359 A 20141119

Priority
JP 2014080647 W 20141119

Abstract (en)
[origin: EP3059517A1] To provide a duct-type air conditioning system including a plurality of dampers 9-1, 9-2, and 9-3 respectively provided in a plurality of duct bifurcation areas 7-1, 7-2, and 7-3, which are provided corresponding to a plurality air-conditioned spaces 10-1, 10-2, and 10-3 supplied with conditioned air from an air conditioner, to bring an air trunk in each of the duct bifurcation areas 7-1, 7-2, and 7-3 into an opened state or closed state individually, a plurality of outlets 8-1, 8-2, and 8-3, and a control device 4. The control device 4 includes a controlled air-volume calculation unit that calculates a controlled air volume 48a for controlling an air volume of an indoor unit 2, based on an opening ratio, which is a ratio of the sum of numbers or areas of opened outlets provided in the duct 7-1 or 7-2 having the damper 9-1 or 9-2 in an opened state with respect to the sum of numbers or areas of the outlets 8-1, 8-2, and 8-3 respectively provided in the air-conditioned spaces 10-1, 10-2, and 10-3, and a temperature difference between a target temperature and a temperature measured in the air-conditioned spaces 10-1 and 10-2 where the opened outlet is present, when the air conditioner performs automatic air volume adjustment.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [I] FR 2778228 A1 19991105 - RIBO ROBERT [FR]
- [I] GB 2507737 A 20140514 - WESTERN AIR DUCTS LTD [GB]
- See references of WO 2016079825A1

Cited by
US2018292103A1; EP3505835A1; CN109028470A; CN108800470A; CN106382723A

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)
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DOCDB simple family (application)
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