

Title (en)
DUCT-TYPE AIR CONDITIONING SYSTEM

Title (de)
KANALKLIMAANLAGE

Title (fr)
SYSTÈME DE CLIMATISATION DE TYPE CONDUIT

Publication
EP 3059517 B1 20190918 (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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Cited by
CN106382723A; CN109028470A; CN108800470A; EP3505835A1; US2018292103A1

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