

Title (en)
Dew condensation preventing valve

Title (de)
Ventil zur Verhinderung von Kondensatbildung

Title (fr)
Soupape empêchant la condensation de rosée

Publication
EP 2796727 B1 20180606 (EN)

Application
EP 14164009 A 20140409

Priority
JP 2013089616 A 20130422

Abstract (en)
[origin: EP2796727A1] It is an object of the present invention to provide a dew condensation preventing valve for preventing occurrence of dew condensation in a pneumatic actuator while effectively using air in the pipe. A dew condensation preventing valve 30a is applicable to a pneumatic system 10 having a pneumatic actuator having a pressure chamber to which compressed air is supplied. A valve housing 31 has an air intake port 33 and an air discharge port 34, which open into pressure chambers 17a and 17b, an on-off valve assembly 36 is reciprocable between a forward limit cutoff position and a backward limit cutoff position, and configured to prevent the air intake port 33 and the air discharge port 34 from communicating with each other at the forward limit cutoff position and the backward limit cutoff position. When the on-off valve assembly 36 is being moved between the forward limit cutoff position and the backward limit cutoff position, the air intake port 33 and the air discharge port 34 communicates with each other, and air in the pressure chambers 17a and 17b is partially discharged to the outside.

IPC 8 full level
F15B 11/06 (2006.01); **F15B 21/00** (2006.01); **F16K 1/44** (2006.01)

CPC (source: EP)
F15B 11/06 (2013.01); **F15B 21/005** (2013.01)

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

DOCDB simple family (publication)
EP 2796727 A1 20141029; EP 2796727 B1 20180606; JP 2014214757 A 20141117; JP 5706465 B2 20150422

DOCDB simple family (application)
EP 14164009 A 20140409; JP 2013089616 A 20130422