

Title (en)

METHOD FOR OPERATING A VALVE DEVICE, VALVE DEVICE AND DATA CARRIER WITH A COMPUTER PROGRAM

Title (de)

VERFAHREN ZUM BETREIBEN EINER VENTILEINRICHTUNG, VENTILEINRICHTUNG UND DATENTRÄGER MIT EINEM COMPUTERPROGRAMM

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF À SOUPAPES, DISPOSITIF À SOUPAPES ET SUPPORT DE DONNÉES COMPORTANT UN PROGRAMME INFORMATIQUE

Publication

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Application

**EP 17715710 A 20170404**

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- EP 2017058012 W 20170404

Abstract (en)

[origin: WO2017182268A1] The invention relates to a method for operating a valve device for supplying compressed air to a compressed air consumer (3; 63), comprising the steps: determining a first fluid pressure in a first section (20, 21, 22, 23) of a fluid duct of the valve assembly, which fluid duct extends between an input connection (28, 30) for a fluidically communicating connection to a fluid source (32; 66; 96) or fluid sink (33; 68) and a valve element (4, 5, 6, 7; 69; 99), determining a second fluid pressure in a second section (24, 25, 26, 27) of the fluid duct of the valve assembly, which fluid duct extends between the valve element (4, 5, 6, 7; 69; 99) and an output connection (29, 31) for a fluidically communicating connection to a compressed air consumer (3; 63), determining a through-flow value for the valve element (4, 5, 6, 7; 69; 99) from the two fluid pressures and a through-flow function, linking the through-flow value to a predefinable fluid volume flow or fluid mass flow for the pressurised fluid, which is provided to flow through the fluid duct (20 to 27), to form a guide value and determining a required amount of activation energy for an activation device (8, 9, 10, 11; 70, 71; 100, 101) which is designed to activate the valve element (4, 5, 6, 7; 69; 99) and providing the amount of activation energy to the activation device (8, 9, 10, 11; 70, 71; 100, 101) to set the predefinable fluid volume flow or fluid volume mass.

IPC 8 full level

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