

Title (en)

COMPRESSED AIR DEVICE WITH SEALINGS PROVIDING VARIABLE FLOW CONNECTIONS

Title (de)

DRUCKLUFTMITTELEINRICHTUNG MIT AUFGRUND VON FORMDICHTUNGEN VARIABLEN STRÖMUNGSVERBINDUNGEN

Title (fr)

DISPOSITIF À AIR COMPRIMÉ AVEC DES JOINTS PERMETTANT DIFFÉRENTES CONNEXIONS FLUIDIQUES

Publication

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Application

**EP 15816440 A 20151217**

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Abstract (en)

[origin: WO2016097096A1] The invention relates to a vehicle pressure medium device (1) in which a pressure medium flows, comprising a multilayer construction which has at least two layers that contact each other. At least three flow openings (44, 56, 58) of flow channels for the pressure medium open in a first surface (76) of a first layer (20). Said first surface lying opposite a second surface (78) of a second layer (36) adjoining the first layer (20). At least one molded seal (40; 40a, 40b, 40c) containing at least one annular part (46) and at least one closure part (42) connected to the annular part (46) is arranged between the two layers (20, 36), said closure part being provided in order to sealingly close at least one of the flow openings (44, 56, 58) in the first surface (76). According to the invention, the annular part (46) is designed in an annularly circumferential manner, and the at least one closure part (42) is arranged within the annular part (46). The annular part (46) surrounds a chamber (74) through which a pressure medium can flow, and the chamber is further delimited by the first surface (76) and the second surface (78). A group of molded seals (40a, 40b, 40c) is provided, the at least one closure part (42) of each of which has a different position relative to the annular part (46). At least one respective other flow opening (44, 56, 58) is closed by the at least one closure part (42) on the basis of a molded seal (40a, 40b, or 40c) which is selected from the group of molded seals (40a, 40b, 40c) and is mounted between the two layers (20, 36), and thus a respective other fluidic connection between at least two openings (44, 56 or 44, 58 or 56, 58) of the at least three flow openings (44, 56, 58) is produced within the chamber (74); or the molded seal (40) is designed and the flow openings (44, 56, 58) are arranged in the first surface (76) such that at least one other flow opening (44 or 56 or 58) is closed by the at least one closure part (42) on the basis of the rotational position of said molded seal (40), and a respective other fluidic connection between at least two openings (44, 56 or 44, 58 or 56, 58) of the at least three flow openings (44, 56, 58) is produced within the chamber (74).

IPC 8 full level

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