Dosing Device For Generating A Gas Flow With An Active Substance Finely Dispersed In The Latter

Abstract

(1) Dosing device for generating a gas flow with an active substance finely dispersed in the latter. (2) The invention relates to a dosing device for generating a gas flow with an active substance (2) finely dispersed in the latter, as a result of an underpressure applied to a mouthpiece (6) of the dosing device, with a first gas flow channel (60, 61, 62, 63, 68), and with a dosing chamber (14) that can be fitted in the area of the first gas flow channel, and with a dosing chamber release mechanism which has a separating element (54, 76, 77) that can be moved between a closed position and an open position, wherein the first gas flow channel and/or a connection between the first gas flow channel and the dosing chamber is blocked when the separating element is in the closed position, and the first gas flow channel and/or the connection between the first gas flow channel and the dosing chamber is freed when the separating element is in the open position, and with a slide guide element (53, 55) on which the separating element (54, 76, 77) is movable between the closed position and the open position and can be driven by the underpressure applied to the mouthpiece, and wherein the separating element and/or the slide guide element is provided at least in the sliding contact area with a slide element (100a, 100b, 101) that influences the sliding friction properties. This design of the separating element and/or of the slide guide element ensures that the separating element is reliably triggered after a suction stream is generated, such that the function of the dosing device can be more precisely reproduced and is more reliable.

Fig. 4