CLAIMS

1. Escape filter device (50), having a hood (51) and a filter (40), which has a filter inlet side (41) and a filter outlet side (42), integrated into the hood (51), wherein the filter inlet side (41) is closed in a gas-tight manner by means of a first closing element (20) and the filter outlet side (42) is closed in a gas-tight manner by means of a second closing element (30), wherein a pulling element (1, 11) for pulling out the respective closing element (20, 30) from the filter (40) is arranged on at least one closing element (20, 30), wherein the escape filter device (50) is arranged in a device shell (100) in a resting position (60) with a resting distance (61) to the device shell (100), wherein the escape filter device (50) can be moved into a removal position with an increased removal distance to the resting distance (61), **characterized in that** the pulling element (1, 11) has a first fastening section (2, 12) for fastening the pulling element (1, 11) to the closing element (20, 30) and a second fastening section (3, 13) for fastening on an inner side (110, 120) of the device shell (100), wherein the two fastening sections (2, 3; 12, 13) have a fastening distance (62) to one another, which is smaller than or equal to the removal distance.

2. Escape filter device (50) in accordance with claim 1, **characterized in that** each closing element (20, 30) coupled with a pulling element (1, 11) has a pulling element fastening device (21, 31).

3. Escape filter device system (70), having an escape filter device (50) in accordance with one of the above claims 1 through 2, wherein at least one pulling element holding device (111, 121) is arranged on the inner side (110, 120) of the device shell (100) for fastening the second fastening section (3) of the pulling element (1, 11), wherein the pulling element (1, 11) and the at least one pulling element holding device (121) are configured and coordinated with one another in such a way that the at least one closing element (20, 30) is automatically pulled out of the filter (40) during the opening of the device shell (100) upon reaching the removal distance between the device shell (100) and the escape filter device (50).

4. Escape filter device system (70) in accordance with claim 3, **characterized in that** the device shell (100) has a device shell bottom side (101) and a device shell top side (102), which are pivotably connected to one another, wherein the at least one pulling element holding device (111, 121) is/are arranged on the device shell bottom side (101) and/or on the device shell top side (102).

5. Escape filter device system (70) in accordance with claim 3 or 4, **characterized in that** the device shell bottom side (101) and the device shell top side (102) are configured as hard.

6. Escape filter device system (70) in accordance with claims 3 through 5, **characterized in that** guides are provided on the inner side (110, 120) of the device shell (100) for guiding the pulling elements (1, 11), especially the second fastening elements (3, 13).

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7. Escape filter device system (70) in accordance with claims 3 through 6, **characterized in that** the device shell (100) has a closing element (130) for closing and opening the device shell (100), especially for closing and opening the device shell bottom side (101) and the device shell top side (102).

8. Escape filter device system (70) in accordance with claims 5 through 7, **characterized in that** a spring element is arranged on the inner side (110, 120) of the device shell (100) that presses with a spring action against the inner sides (110, 120) of the device shell bottom side (101) and of the device shell top side (102) with the device shell (100) being closed.

9. Escape filter device system (70) in accordance with claims 5 through 8, **characterized in that** this system has a retaining device (140) for retaining the escape filter device (50).

10. Method for mounting an escape filter device system (70) in accordance with one of the claims 3 through 9, **characterized** by the following mounting steps:
- fastening of the first fastening section (2) of the first pulling element (1) to the first closing element (20),
- fastening of the second fastening section (3) of the first pulling element (1) to a first position on the inner side (110) of the device shell (100),
- fastening of the first fastening section (12) of the second pulling element (11) to the second closing element (30),
- closing of the device shell (100) until reaching a mounting position for fastening the second fastening section (13) on the inner side (120) of the device shell (100), wherein the device shell (100) is not yet completely closed in the mounting position, and
- fastening of the second fastening section (13) of the second pulling element (11) at a second position on the inner side (120) of the device shell (100), and
- complete closing of the device shell (100).

11. Method in accordance with claim 10, **characterized in that** at least one pulling element (1, 11) is configured as flexible, that the first fastening section (2, 12) of the at least one pulling element (1, 11) is configured as a first barb and that the second fastening section (3, 13) of the at least one pulling element (1, 11) is configured as a second barb on the at least one pulling element (1, 11), that at least one closing element (20, 30) has a pulling element fastening device (21, 31) with an opening, that at least one pulling element holding device (111, 121) with an opening is provided on the inner side (110, 120) of the device shell (100), that a first end (6) of a pulling element (1, 11) is pulled through the opening of the pulling element fastening device (111, 121) of a closing element (20, 30) until the first barb (2) of this pulling element (1, 11) is pulled through the opening of the pulling element fastening device (111, 121), and that subsequently the second end (7) of the same pulling element (1, 11) is pulled through the opening of a pulling element holding device (111, 121) for creating the fastening distance until the second barb (3) of this pulling element (1, 11) is pulled through the opening of this pulling element holding device (111, 121).

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12. Method in accordance with claim 11, **characterized in that** at least one of the pulling elements (1, 11) has a stopping element (4, 14) between its barbs (2, 3; 12, 13), wherein after the pulling of the second barb (12, 13) of the at least one pulling element (1, 11) through the corresponding pulling element holding device (111, 121) on the inner side (110, 120) of the device shell (100), the stopping element (4, 14) stops at the pulling element holding device (111, 121) and prevents a further pulling of this pulling element (1, 11) through the opening of the pulling element holding device (111, 121).

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