Claims

1. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3), the method comprising the following steps:

- providing a retaining anchor (4) in the structure wall element (3), the retaining anchor (4) being located in a first area (5) of a gap (6) in the panel wall arrangement (1), wherein providing the retaining anchor (4) comprises:

- providing a first retaining element (70) in the retaining anchor (4),

- providing a coupler element (71) at the first retaining element (70),

- providing a second retaining element (72) in the coupler element (71),

- inserting a new panel (7) into the gap (6), wherein the new panel (7) is provided with a first groove (10) and a second groove (8),

- securing the new panel (7) to the structure wall element (3),
wherein the step of securing the new panel (7) to the structure wall element (3) comprises the following steps:

- inserting a first bracket (29) into the first groove (10), and

- connecting the first bracket (29) with the retaining anchor (4), by

- providing a connector element (63) in the retaining anchor (4).

2. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to claim 1, wherein the second groove (8) is positioned on a second bracket (28) that is provided at the structure wall element (3), the second bracket (28) being located in a second area (26) of the gap (6),
wherein the step of securing the new panel (7) to the structure wall element (3) comprises the following steps:
- inserting the second bracket (28) into the second groove (8), and connecting the second bracket (28) with a retaining anchor (4), by
- providing a connector element (63) in the retaining anchor (4).

3. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to one of claim 1 or claim 2, wherein
- a total of at least four retaining anchors (4) being provided in the structure wall element (3), two of the retaining anchors (4) being located in the first area (5) of the gap (6) in the panel wall arrangement (1), at a horizontal distance from each other, and two of the retaining anchors (4) being located in the second area (26) of the gap (6), at a horizontal distance from each other, further comprising the following steps:
- providing a connector element (63) in each retaining anchor (4), followed by providing an adjustment element (92) on each one of the connector elements (63), and inserting a new panel (7) into the gap (6), comprising the following steps:
- inserting two first brackets (29) into the first groove (10) of the new panel (7), at a horizontal distance from each other, and inserting two second brackets (28) into the second groove (8) of the new panel (7), at a horizontal distance from each other.

4. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to one of claims 1 to 3, wherein a safety wire (27) is provided in the second groove (8), the method further comprising the step of connecting the safety wire (27) with the structure wall element (3).

5. Method according to claim 4, wherein the step of connecting the safety wire (27) with the structure wall element (3) comprises connecting the safety wire (27) with a second bracket of another existing panel (2) of the panel wall arrangement (1).

6. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to claim 4 or claim 5, wherein the new panel (7) comprises a first side groove (12) at a first side (14) of the new panel (7) and a second side groove (13) at a second side (15) of the new panel (7), the safety wire (27) being provided in the first side groove (12) and/or in the second side groove (13).

7. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to one of claims 1 to 6, with the following steps:
- providing an adjustment element (92) on the connector element (63),

- inserting the connector element (63) into the first bracket (29) and/or into the second bracket (28),
- providing a holding element (90) on the connector element (63),
- tightening the holding element (90) or the holding elements (90), by using a racking key tool (94) that is inserted into a gap (6) between the new panel (7) and a neighboring existing panel (2).

8. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to claim 7, comprising a step of arranging the adjustment element (92) on the connector element (63) such that the outer surface (97) of the new panel (7) is flush with the outer surface (97) of a neighboring existing panel (2).

9. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to one of claims 1 to 6, with the following steps:
- providing a first lower bracket element (25) at the structure wall element (3), in the second area (26) of the gap (6),
- providing a second lower bracket (28) element at the first lower bracket element (25),
- adjusting the second lower bracket (28) element with respect to the first lower bracket element (25),
- securing the position of the second lower bracket (28) element with respect to the first lower bracket element (25).

10. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to claim 9, wherein the step of adjusting the second lower bracket (28) element with respect to the first lower bracket element (25) is done such that the outer surface (97) of the new panel (7) is flush with the outer surface (97) of a neighboring existing panel (2).

11. Method for replacing an existing panel (2) in a panel (2) wall arrangement (1) on a structure wall element (3) according to claim 2,
wherein the new panel (7) is provided with the second groove (8) at the bottom (9) of the new panel (7), with the first groove (10) at the top (11) of the new panel (7), and

with a first side groove (12) at a first side (14) of the new panel (7), and with a second side groove (13) at a second side (15) of the new panel (7),
- the step of connecting the first bracket (29) with the retaining anchor (4) and/or the step of connecting the second bracket (28) with the retaining anchor (4) comprises the following steps:
- screwing a bolt into the retaining anchor (4),
- putting a piece-A element on the bolt and secure it with a element against the structure wall element (3),
- mounting a piece-B element to the piece-A element, using a second bolt-element element,
-fixing the piece-A element with respect to the structure wall element (3),
-fixing the piece-B element with respect to the piece-A element.

12. Method for replacing an existing panel (2) in a panel (2) wall arrangement (1) on a structure wall element (3) according to claim 11, comprising the step of adjusting the piece-A element with respect to the structure wall element (3) and the piece-B element with respect to the piece-A element such that the outer surface of the next existing stone wall panel is flush with the outer surface of the new stone wall panel.

13. Method according to any of the preceding claims , wherein the step of inserting a new panel (7) into a gap (6) in the panel wall arrangement (1) comprises a step of turning the second retaining element (72) such that a retaining pin (73) of the second retaining element (72) engages in the first groove (10) and/or in the second groove (11) of the new panel (7).

14. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to any of the preceding claims, wherein the steps of providing a coupler element (71) at the first retaining element (70) and providing a second retaining element (72) in the coupler element (71) comprises a step of adjusting the position of the second retaining element (72) in the coupler element (71) such that an outer surface (97) of the new panel (7) is flush with the outer surface (97) of a neighboring existing panel (2).

15. Method for replacing an existing panel (2) in a panel wall arrangement (1) on a structure wall element (3) according to any of the preceding claims, wherein the step of connecting the first bracket (29) with the retaining anchor (4) comprises the following steps:

-providing a hole (76) into the structure wall element (3),
-inserting the retaining anchor (4) into the hole (76),
-screwing a retaining screw assembly (75) into the retaining anchor (4),
-cutting the retaining screw assembly (75) in order to create the first retaining element (70) and the second retaining element (72) with a retaining pin (73),
-screwing the coupler sleeve (71) on the first retaining element (70),
-holding a threaded end of the second retaining element (72) near the coupler sleeve (71) and the threaded end of the first retaining element (70),
-unscrewing the coupler sleeve (71) from the threaded end of the first retaining element (70) and onto the threaded end of the second retaining element (72) such that the coupler sleeve (71) connects the first retaining element (70) with the second retaining element (72).

16. Method for replacing an existing panel (2) according to claim 2, wherein the step of connecting the second bracket (28) with the retaining anchor (4) comprises the following steps:

- providing a hole (76) into the structure wall element (3),
- inserting the retaining anchor (4) into the hole (76),
- screwing the first retaining element (70) into the retaining anchor (4),
- screwing an adjustment element (92) on the first retaining element (70),
- putting the new panel (7) with the second bracket (28) onto the first retaining element (70), such that it contacts the outer surface of the adjustment element (92)
- screwing a holding element (90) onto the first retaining element (70), such that the second bracket (28) is held between the adjustment element (92) and the holding element (90).

17. Method for replacing an existing panel (2) according to claim 16, wherein the holding element (90) is provided with an Allen key hole (76).

18. Method for replacing an existing panel (2) according to one of claims 16 to 17, wherein the second bracket (28) is used as a first bracket (29).

19. Method for replacing an existing panel (2) in a panel (2) wall arrangement (1) on a structure wall element (3), the method comprising the following steps:
- providing a retaining anchor (4) in the structure wall element (3), the retaining anchor (4) being located in a first area (5) of a gap (6) in the panel (2) wall arrangement (1),
wherein providing the retaining anchor (4) comprises:
- providing a first retaining element (70) in the retaining anchor (4),
- providing a coupler element (71) at the first retaining element (70),
- providing a second retaining element (72) in the coupler element (71),
- inserting a new panel (7) into the gap (6) in the panel (2) wall arrangement (1), wherein the new panel (7) is provided with a second groove (8) and with a first groove (10) at the top (11) of the new panel (7),
- the second groove (8) being positioned on a second bracket (28) that is provided at the structure wall element (3), the second bracket (28) being located in a second area (26) of the gap (6),
- inserting a first bracket (29) into the first groove (10), and
- connecting the first bracket (29) with the retaining anchor (4).

20. Panel wall arrangement (1) on a structure wall element (3) (carrier wall, a structure wall, a façade stone, a pillar), comprising a plurality of existing panels and new panels, wherein at least one new panel (7) is provided with a second groove (8) at the bottom (9) of the new panel (7), with a first groove (10) at the top (11) of the new panel (7), with the second groove (8) being positioned on a second bracket (28) that is provided at the structure wall element (3) such that the second bracket (28) being located in a second area (26) of the gap (6) and with an first bracket (29) being positioned in the first groove (10) with the first bracket (29) being connected with a retaining anchor (4), wherein the retaining anchor (4) comprises a first retaining element (70), a coupler element (71) and a second retaining element (72), wherein a safety wire (27) is provided in the second groove (8), wherein the safety wire (27) is connected with the structure wall element (3).

21. Panel wall arrangement (1) on a structure wall element (3) according to claim 20, wherein at least one new panel (7) is provided with a first side groove (12) at a first side (14) of the new panel (7), and with a second side groove (13) at a second side (15) of the new panel (7), wherein the safety wire (27) is provided in the first side groove (12) and in the second side groove (13).

22. Panel wall arrangement (1) according to claim 20 or claim 21, wherein the safety wire (27) is connected with a second bracket (28) of an existing panel (2).

23. Panel wall arrangement (1) according to one of claims 20 to 22, wherein the safety wire (27) forms a closed loop of a piece of wire with two open ends of the piece of wire being connected with each other.

24. Panel wall arrangement (1) according to claim 21, wherein the safety wire (27) is provided within openings in the new panel (7) that connect the second groove (8) with the first side groove (12) and/or the second side groove (13) and/or within openings in the new panel (7) that connect the first groove (10) with the first side groove (12) and/or the second side groove (13).