Claims

1. A glazing assembly for a curtain wall glazing system separating a first area from a second area, comprising

- a first glazing unit (10, 10c, 10e) comprising a first glass surface (17a) for facing said first area and a second glass surface (17b) for facing said second area,
- a plurality of glazing profiles (20, 30) forming a frame structure for said first glazing unit,

and wherein each glazing profile comprises

- a main structural frame part (21), and
- a removable clamping part (22) removably coupled to the main structural frame part (21),

wherein said first glazing unit (10) is clamped between the main structural frame parts (21) and the removable clamping parts (22) of said plurality of glazing profiles, with the first glass surface (17a) linked with the removable clamping part (22), and the second glass surface (17b) linked with the main structural frame part (21),
and wherein an uncoupling of the removable clamping parts (22) from the corresponding main structural frame parts (21) for each glazing profile (20, 30), unclamps the first glazing unit (10) and opens a clearance allowing the removal of the first glazing unit (10) in a direction of the first area,

characterized in that

at least one main structural frame part (21) of said plurality of glazing profiles comprises

- a structural portion (21a), and
- a mobile clamping portion (21b) removably coupled to said structural portion (21a), and linked with the second glass surface (17b),

and wherein the removal of the mobile clamping portion (21b) from the structural portion (21a) for said at least one main structural frame part (21), opens a clearance allowing maintenance activities to be performed near an edge region of the first glazing unit (10) from said second area.

2. ~~A~~ The glazing assembly according to claim 1 wherein the glazing profile (20,30) that comprises said at least one main structural frame part (21), comprises an inner channel enclosing cabling, electric components, electronic components, cabling and~~/or~~ electric components, or cabling and electronic components (80).

3. ~~A~~ The glazing assembly according to claim 2 wherein the removal of the mobile clamping portion (21b) from the structural portion (21a), opens a clearance allowing access to said inner channel for performing maintenance activities on the cabling, electric components, electronic components, cabling and~~/or~~ electric components, or cabling and electronic components (80).

4. ~~A~~ The glazing assembly according to any one of the previous claims wherein said mobile clamping portion (21b)is removably coupled with said structural portion (21a) using screws or bolts or a click attachment system (27).

5. ~~A~~ The glazing assembly according to any one of the previous claims wherein said first glazing unit (10) is an insulating glazing unit or a single glazing unit or a laminated glazing unit.

6. ~~A~~ The glazing assembly according to any one of the previous claims wherein said first glazing unit is a fixed glazing unit.

7. ~~A~~ The glazing assembly according to any one of the previous claims wherein said first glazing unit (10, 10c, 10e) has a rectangular shape and wherein a first and a second glazing profile of said plurality of glazing profiles corresponds to a pair of mullions placed in parallel and wherein a third and a fourth glazing profile of said plurality of glazing profiles corresponds to a pair of transoms placed in parallel.

8. ~~A~~ The glazing assembly according to claim 7 comprising a second glazing unit (10d) positioned adjacent to said first glazing unit (10c) and sharing therewith a common mullion or transom, which is configured for receiving an edge of the first glazing unit (10c) and for receiving an edge of the second glazing unit (10d) in an adjacent configuration, wherein the first and second glazing units are separated by said common mullion or transom.

9. ~~A~~ The glazing assembly for a curtain wall glazing system according to any one of the previous claims, wherein each of the main structural frame parts (21) of said plurality of glazing profiles (20,30) comprises

- a structural portion (21a), and
- a mobile clamping portion (21b) removably coupled to said structural portion (21a), and linked with the second glass surface (17b),

and wherein the removal of the mobile clamping portion (21b) from the structural portion (21a) for each of the main structural frame parts (21) unclamps said first glazing unit (10) and opens a clearance allowing the

removal of said first glazing unit (10) in a direction of the second area and/or allows maintenance activities to be performed near edge regions of the first glazing unit (10) from said second area.

10. ~~A~~ The glazing assembly according to claim 9 comprising a first peripheral gasket (24a) secured between said first glass surface (17a) and the removable clamping parts (22) of said plurality of glazing profiles.

11. ~~A~~ The glazing assembly according to claim 10 comprising a second peripheral gasket (24b) secured between said second glass surface (17b) and the mobile clamping portions (21b) of said plurality of glazing profiles.

12. ~~A~~ The glazing assembly according to any one of claims 9 to 11 wherein the removal of the mobile clamping portion (21b) from the structural frame portion (21a) for each of the main structural frame parts (21) of said plurality of glazing profiles, unclamps said first glazing unit (10) and opens a clearance allowing the removal of said first glazing unit (10) in the direction of said second area by a rotation of said first glazing unit (10) about an edge thereof, or by a translation in the direction of the second area, or by a combination of rotation and translation.

13. A curtain wall glazing system (100) comprising ~~a~~ the glazing assembly according to any one of the previous claims.

14. A glazing panel (50) for an unitizing façade system comprising ~~a~~ the glazing assembly according to any one of the claims 1 to 12.

15. A method for performing a maintenance activity near at least one edge region of a first glazing unit (10) from a curtain wall glazing system (100) that is separating a first area from a second area, and wherein said glazing system comprises ~~a~~ the glazing assembly according to any one of the claims 1 to 8, said method comprising the steps of

- selecting whether the maintenance activity is to be performed from the first area or ~~form~~ from the second area,
    - if the maintenance activity is to be performed from the first area then
        a) for one or more of said plurality of glazing profiles (20, 30) uncoupling the clamping parts (22) from the structural frame parts (21), thereby opening a clearance to said edge region,
        b) performing said maintenance activity from said first area,
- if the maintenance activity ~~first glazing unit~~ is to be performed from the second area then
        a) removing the mobile clamping portion (21b) from the structural portion (21a) for said at least one main structural frame part (21), thereby opening a clearance to said edge region,
        b) performing said maintenance activity from said second area.