Claims

1. Seat element (4), comprising

- a frame (8) able to sustain an associable seat (12) and provided with at least one means of support (16), such as a leg or a foot,

- a seat (12) associable to said frame (8), the seat (12) defining a seat plane (18),

- the frame (8) and the seat (12) being made separately from each other and being attachable and detachable from each other by the interposition of first coupling means (24),

characterised by the fact that

said first coupling means (24) comprise at least one elastic hook (28) and a protuberance (32), able to form a snap coupling with each other,

the elastic hook (28) being positioned so as to intercept the protuberance (32) in a vertical assembly direction (Y-Y), substantially perpendicular to the seat plane (18),

the elastic hook (28) having a coupling end (36) and a hook end (40), flexible in relation to the coupling end (36), so as to snap hook onto an undercut (44) of the protuberance (32) in the vertical assembly direction (Y-Y).

2. Seat element (4) according to claim 1, wherein the

protuberance (32) is fixed to the frame (8) and the elastic hook (28) is fixed to the seat (12) on a lower portion (48) of the seat (12) directly facing the frame (8).

3. Seat element (4) according to claim 1 or 2, wherein the elastic hook (28) presents a slot (52) directly facing the protuberance (32) to facilitate the snap coupling with the protuberance (32).

4. Seat element (4) according to claim 2 or 3, wherein the protuberance (32) is counter-shaped to the corresponding lower portion (48) of the seat (12), on the side opposite the associable elastic hook (28), so as to form a support for the seat (12) in an assembled configuration of the seat element (4).

5. Seat element (4) according to any of the previous claims, wherein said first coupling means (24) are aligned along a rear portion (56) of the seat element (4), at an associable backrest (20) of the seat element (4).

6. Seat element (4) according to any of the previous claims, wherein said first coupling means (24) are positioned along at least two separate portions (56, 57, 58, 59) of the seat element (4).

7. Seat element (4) according to any of the previous claims, wherein the elastic hooks (28) are attached to

the seat (12) and the protuberances (32) are attached to the frame (8).

8. Seat element (4) according to any of the previous claims, wherein the elastic hooks (28) are at least partially housed inside hollows (60) made in the seat (12) so as not to be visible on the outside, said hollows (60) being open towards the associable frame (8).

9. Seat element (4) according to any of the previous claims, wherein said protuberances (32) are joined to the frame (8) and overhang the frame (8) so as to be facing the associable seat (12).

10. Seat element (4) according to any of the previous claims, comprising second coupling means (68), positioned between the frame (8) and the seat (12) and separate from the first coupling means (24), the second coupling means (68) comprising a bracket (72) and a bent portion (76) able to fasten itself to the bracket (72) by means of a shaped coupling.

11. Seat element (4) according to claim 10, wherein the second coupling means (68) are positioned on separate portions (56,57,58,59) of the seat (12) to the first coupling means (24) and form a shaped coupling of a type rotating in relation to a transversal rotation axis (X-X), perpendicular to the vertical assembly direction (Y-Y), so that, following the relative coupling of the

second coupling means (68), it is possible to realise the snap coupling of the first coupling means (24), by rotating the frame (8) and the seat (12) in relation to each other around the transversal rotation axis (X-X).

12. Seat element (4) according to claim 10 and/or 11, wherein the first and the second coupling means(24,68) are positioned on opposite portions or sides (56,57,58,59) which, in an assembled configuration, form a bilateral axial constraint in a longitudinal direction (Z-Z), perpendicular to said portions (56,57,58,59) and to the transversal rotation axis (X-X).

13. Seat element (4) according to any of the claims from 10 to 12, wherein the first and the second coupling means (24, 68) are positioned at a rear (56) and front portion (57) of the seat (12) respectively, or vice versa.

14. Seat element (4) according to any of the claims from 11 to 13, comprising blocking means (88) able to prevent translation between the seat (12) and the frame (8) in a direction parallel to the transversal rotation axis (X-X).

15. Seat element (4) according to claim 14, wherein said blocking means (88) comprise pegs (90) which fit into corresponding holes (91) so as to achieve the relative blocking of the seat (12) to the frame (8) in the direction of the transversal rotation axis (X-X).

16. Seat element (4) according to claim 15, wherein the pegs (90) are made in the seat (12), on the lower portion (48), and the holes (91) are made on the frame (8), at the support plates (93) for the associable seat (12).

17. Seat element (4) according to any of the claims from 10 to 16, wherein the bent portion (76) is joined to the seat (12) and is bent towards an associable frame (8) so as to identify a seat (92) able to house and cover the bracket (72).

18. Seat element (4) according to any of the claims from 10 to 17, wherein the bracket (72) is joined to the frame (8) and overhangs the frame (8) so as to be facing the associable seat (12).

CLAIMS

1. Seat element (4), comprising

- a frame (8) able to sustain an associable seat (12) and provided with at least one means of support (16), such as a leg or a foot,

- a seat (12) associable to said frame (8), the seat (12) defining a seat plane (18),

- the frame (8) and the seat (12) being made separately from each other and being attachable and detachable from each other by the interposition of first coupling means (24),

wherein

said first coupling means (24) comprise at least one elastic hook (28) and a protuberance (32), able to form a snap coupling with each other,

the elastic hook (28) being positioned so as to intercept the protuberance (32) in a vertical assembly direction (Y-Y), substantially perpendicular to the seat plane (18),

the elastic hook (28) having a coupling end (36) and a hook end (40), flexible in relation to the coupling end (36), so as to snap hook onto an undercut (44) of the protuberance (32) in the vertical assembly direction (Y-Y),

characterised by the fact that

the seat element (4) comprises second coupling means (68), positioned between the frame (8) and the seat (12) and separate from the first coupling means (24), the second coupling means (68) comprising a bracket (72) and a bent portion (76) able to fasten itself to the bracket (72) by means of a shaped coupling,

wherein the second coupling means (68) are positioned on separate portions (56,57,58,59) of the seat (12) to the first coupling means (24) and form a shaped coupling of a type rotating in relation to a transversal rotation axis (X-X), perpendicular to the vertical assembly direction (Y-Y), so that, following the relative coupling of the second coupling means (68), it is possible to realise the snap coupling of the first coupling means (24), by rotating the frame (8) and the seat (12) in relation to each other around the transversal rotation axis (X-X),

the seat element comprising blocking means (88) able to prevent translation between the seat (12) and the frame (8) in a direction parallel to the transversal rotation axis (X-X),

wherein said blocking means (88) comprise pegs (90) which fit into corresponding holes (91) so as to achieve the relative blocking of the seat (12) to the frame (8) in the direction of the transversal rotation axis (X-X),

wherein the pegs (90) are made in the seat (12), on the lower portion (48), and the holes (91) are made on the frame (8), at the support plates (93) for the associable seat (12).

2. Seat element (4) according to claim 1, wherein the protuberance (32) is fixed to the frame (8) and the elastic hook (28) is fixed to the seat (12) on a lower portion (48) of the seat (12) directly facing the frame (8).

3. Seat element (4) according to claim 1 or 2, wherein the elastic hook (28) presents a slot (52) directly facing the protuberance (32) to facilitate the snap coupling with the protuberance (32).

4. Seat element (4) according to claim 2 or 3, wherein the protuberance (32) is counter-shaped to the corresponding lower portion (48) of the seat (12), on the side opposite the associable elastic hook (28), so as to form a support for the seat (12) in an assembled configuration of the seat element (4).

5. Seat element (4) according to any of the previous claims, wherein said first coupling means (24) are aligned along a rear portion (56) of the seat element (4), at an associable backrest (20) of the seat element (4).

6. Seat element (4) according to any of the previous

claims, wherein said first coupling means (24) are positioned along at least two separate portions (56, 57, 58, 59) of the seat element (4).

7. Seat element (4) according to any of the previous claims, wherein the elastic hooks (28) are attached to the seat (12) and the protuberances (32) are attached to the frame (8).

8. Seat element (4) according to any of the previous claims, wherein the elastic hooks (28) are at least partially housed inside hollows (60) made in the seat (12) so as not to be visible on the outside, said hollows (60) being open towards the associable frame (8).

9. Seat element (4) according to any of the previous claims, wherein said protuberances (32) are joined to the frame (8) and overhang the frame (8) so as to be facing the associable seat (12).

10. Seat element (4) according to any of the previous claims , wherein the first and the second coupling means(24,68) are positioned on opposite portions or sides (56,57,58,59) which, in an assembled configuration, form a bilateral axial constraint in a longitudinal direction (Z-Z), perpendicular to said portions (56,57,58,59) and to the transversal rotation axis (X-X).

11. Seat element (4) according to any of the claims from 1 to 10, wherein the first and the second coupling means (24, 68) are positioned at a rear (56) and front portion (57) of the seat (12) respectively, or vice versa.

12. Seat element (4) according to any of the previous claims, wherein the bent portion (76) is joined to the seat (12) and is bent towards an associable frame (8) so as to identify a seat (92) able to house and cover the bracket (72).

13. Seat element (4) according to any of the previous claims, wherein the bracket (72) is joined to the frame (8) and overhangs the frame (8) so as to be facing the associable seat (12).