CLAIMS

1. A web of bags (10) configured to be guided through a filling station (80), the web of bags (10) comprising

- a continuous guide (20) of a guide material (22) configured to be guided through the filling station (80) and wherein the continuous guide (20) is connected to one or more bags (30) of a bag material (32) having a bag opening (34) enabling access to a bag interior (36),

wherein the one or more bags (30) comprises two opposing bag walls (40a, 40b), each bag wall (40a, 40b) comprises

- a first side (42a, 42b), wherein said first sides (42a, 42b) substantially faces each other thereby defining the bag interior (36), and
- a second side (44a, 44b) opposite to the first side (42a, 42b), wherein the continuous guide (20) is attached to each of the second sides (44a, 44b).

2. A web of bags (10) according to claim 1, wherein the bag material (32) is a fibrous material or paper or metallic foils or aluminum.

3. A web of bags (10) according to any of claims 1 or 2, wherein the first sides (42a, 42b) comprise a polymer coating for moisture blocking and/or friction reduction.

4. A web of bags (10) according to claim 3, wherein the polymer coating has a density of 1-10 g/m^2 or 2-8 g/m^2 or 3-7 g/m^2 or 3-6 g/m^2 or 4-5 g/m^2 or 4 g/m^2 or less than 4 g/m^2 or less than 3 g/m^2 or less than 2 g/m^2.

5. A web of bags (10) according to any of claims 1 to 4, wherein the guide material (22) is a polymer or a fibrous material such as paper or paper with a polymer coating or the same material as the bag material.

6. A web of bags (10) according to any of claims 1 to 5, wherein the continuous guide (20) is attached to each of the second sides (44a, 44b) using an adhesive or a glue or lacquer or hot-melt or seams or stitched seams or a combination thereof.

7. A web of bags (10) according to any of claims 1 to 6, wherein the continuous guide (20) comprises two substantially parallel guide parts (24a, 24b), wherein each of the guide parts (24a, 24b) is attached to one of the second sides (44a, 44b).

8. A web of bags (10) according to any of claims 1 to 5, wherein each of the two opposing bag walls (40a, 40b) comprises an outwardly fold (50a, 50b) at the bag opening (34) relative to the bag interior (36), thereby forming two outwardly-facing strips (52a, 52b) of the first sides (42a, 42b), wherein the continuous guide (20) is attached to the two outwardly-facing strips (52a, 52b).

9. A web of bags (10) according to claim 8, wherein each outwardly-facing strip (52a, 52b) is attached to the second side (44a, 44b) using an adhesive or a glue or lacquer or hot-melt or seams or stitched seams or polymer dispersion or a combination thereof.

10. A web of bags (10) according to any of claims 8 or 11, wherein the continuous guide (20) comprises two substantially parallel guide parts (24a, 24b), wherein each of the guide parts (24a, 24b) is attached to one of the outwardly-facing strips (52a, 52b).

11. A web of bag series (100) configured to be guided through a filling station (80), the web of bag series (100) comprising

- a continuous guide (20) of a guide material (22) configured to be guided through the filling station (80) and wherein the continuous guide (20) is connected to a repeating pattern of two or more bags (30) of different size and/or shape (30), wherein the two or more bags (30) is made of a bag material (32) and comprises a bag opening (34) enabling access to a bag interior (36),

wherein the two or more bags (30) comprises two opposing bag walls (40a, 40b), each bag wall (40a, 40b) comprises

- a first side (42a, 42b), wherein said first sides (42a, 42b) substantially faces each other thereby defining the bag interior (36), and
- a second side (44a, 44b) opposite to the first side (42a, 42b), wherein the continuous guide (20) is attached to each of the second sides (44a, 44b).

12. A web of bag series (100) according to claim 11, wherein the bag material (32) is a fibrous material or paper or metallic foils or aluminum.

13. A web of bag series (100) according to any of claims 11 or 12, wherein the first sides (42a, 42b) comprise a polymer coating for moisture blocking and/or friction reduction.

14. A web of bag series (100) according to claim 13, wherein the polymer coating has density of 1-10 g/m^2 or 2-8 g/m^2 or 3-7 g/m^2 or 3-6 g/m^2 or 4-5 g/m^2 or 4 g/m^2 or less than 4 g/m^2 or less than 3 g/m^2 or less than 2 g/m^2.

15. A web of bag series (100) according to any of claims 11 to 14, wherein the guide material (22) is a polymer or a fibrous material such as paper or paper with a polymer coating or the same material as the bag material.

16. A web of bag series (100) according to any of claims 11 to 15, wherein the continuous guide (20) is attached to each of the second sides (44a, 44b) using an adhesive or a glue or lacquer or hot-melt or seams or stitched seams or polymer dispersion or polymer dispersion or a combination thereof.

17. A web of bag series (100) according to any of claims 11 to 16, wherein the continuous guide (20) comprises two substantially parallel guide parts (24a, 24b), wherein each of the guide parts (24a, 24b) is attached to one of the second sides (44a, 44b).

18. A web of bag series (100) according to any of claims 11 to 15, wherein each of the two opposing bag walls (40a, 40b) comprises an outwardly fold (50a, 50b) at the bag opening (34) relative to the bag interior (36), thereby forming two outwardly-facing strips (52a, 52b) of the first sides (42a, 42b), wherein the continuous guide (20) is attached to the two outwardly-facing strips (52a, 52b).

19. A web of bag series (100) according to claim 18, wherein each outwardly-facing strip (52a, 52b) is attached to the second side (44a, 44b) using an adhesive or a glue or lacquer or hot-melt or seams or stitched seams or polymer dispersion or a combination thereof.

20. A web of bag series (100) according to any of claims 18 or 19, wherein the continuous guide (20) comprises two substantially parallel guide parts (24a, 24b), wherein each of the guide parts (24a, 24b) is attached to one of the outwardly-facing strips (52a, 52b).

21. A bag (30) for forming part of a web of bags (10) according to any of claims 1 to 10 or a web of bag series (100) according to claims 11 to 20 configured to be guided through a filling station (80), the bag (30) comprising a bag opening (34) enabling access to a bag interior (36), and the bag (30) is made of a bag material (32), and

wherein the bag (30) comprises two opposing bag walls (40a, 40b), each bag wall (40a, 40b) comprises

- a first side (42a, 42b), wherein said first sides (42a, 42b) substantially faces each other thereby defining the bag interior (36),

a second side (44a, 44b) opposite to the first side (42a, 42b), wherein each of the second sides (44a, 44b) are configured for connecting to a guide part (24a, 24b) of a continuous guide (20).

22. A bag (30) according to claim 21, wherein each of the second sides (44a, 44b) are configured for connecting to a polymer guide part (24a, 24b).

23. A bag (30) according to claims 21 or 22, wherein each of the two opposing bag walls (40a, 40b) comprises an outwardly fold (50a, 50b) at the bag opening (34) relative to the bag interior (36), thereby forming two outwardly-facing strips (52a, 52b) of the first sides (42a, 42b), wherein each of the two outwardly-facing strips (52a, 52b) are configured for connecting to a guide part (24a, 24b) of a continuous guide (20).

24. A bag (30) according to claim 23, wherein each outwardly-facing strip (52a, 52b) is attached to the second side (44a, 44b) using an adhesive or a glue or lacquer or hot-melt or seams or stitched seams or polymer dispersion or a combination thereof.

25. A method (1000) for producing a web of bags (10) or a web of bag series (100) configured to be guided through a filling station (80), wherein the method (1000) comprises steps of

- placing (1100) two bag walls (40a, 40b) opposite to each other, wherein each bag wall (40a, 40b) comprises a first side (42a, 42b) and a second side (44a,

44b) opposite to the first side (42a, 42b), wherein said first sides (42a, 42b) substantially faces each other, thereby defining a bag interior (36),

- connecting (1200a) lateral edges (46a, 46b) of the two bag walls (40a, 40b) such that a bag opening (34) is formed,

- connecting (1200b) a continuous guide (20) of a guide material (22) to the two second sides (44a, 44b), thereby producing a web of bags (10) or a web of bag series (100).

26. A method (1000) according to claim 25, wherein the step of connecting (1200b) is a step of connecting (1200b) two substantially parallel guide parts (24a, 24b) of the continuous guide (20), wherein each of the guide parts (24a, 24b) is attached to one of the second sides (44a, 44b).

27. A method (1000) according to claim 26, wherein the method (1000) further comprises a step of folding (1300) before the steps of connecting (1200a, 1200b), wherein the step of folding (1300) is a step of folding (1300) a part of each bag wall (40a, 40b) outwardly relative the bag interior (36), thereby forming two outwardly-facing strips (52a, 52b) of the first sides (42a, 42b), and the step of connecting (1200b) is a step of connecting (1200b) the continuous guide (20) to the two outwardly-facing strips (52a, 52b).

28. A method (1000) according to claim 27, wherein the step of connecting (1200b) is a step of connecting (1200b) two substantially parallel guide parts (24a, 24b) of the continuous guide (20), wherein each of the guide parts (24a, 24b) is attached to one of the outwardly-facing strips (52a, 52b).

29. A method (1000) according to any of claims 25 to 28, wherein the method (1000) is a method (1000) for producing a web of bags (10) according to any of claims 1 to 10 or a web of bag series (100) according to any of claims 11 to 20.

30. A method (2000) for filling a bag (30) in a web of bags (10) according to any of claims 1 to 10 with content, the method (2000) comprising steps of

- providing (2100) a web of bags (10) as a continuous guide (20) configured to be guided through the filling station (80) and wherein the continuous guide (20) of a guide material (22) connects one or more bags (30), wherein the one

or more bags (30) are made of a bag material (32) and comprise a bag opening (34),

- guiding (2200) the web of bags (10) though a filling station (80) in the continuous guide (20),
- filling (2300) content into the one or more bags (30),
- closing (2400) the one or more bags (30),
- separating (2500) the one or more bags (30) from each other, thereby obtaining separated filled bags.

31. A method (2000) according to claim 20, wherein the step of separating (2500) is a step of disconnecting the one or more bags (30) from the continuous guide (20).

32. A method (3000) for filling bags (30) in a web of bag series (100) according to any of claims 11 to 20 with content, the method (3000) comprising steps of

- providing (3100) a web of bag series (100) as a continuous guide (20) configured to be guided through the filling station (80) and wherein the continuous guide (20) of a guide material (22) connects a repeating pattern of two or more bags (30) of different size and/or shape, wherein the two or more bags (30) are made of a bag material (32) and comprise a bag opening (34),
- guiding (3200) the web of bag series (100) though a filling station (80) in the continuous guide (20), wherein the filling station (80) comprises two or more filling means (82) configured for administering different and/or identical contents,
- filling (3300) different and/or identical contents into the two or more bags (30) simultaneously,
- closing (3400) the two or more bags (30),
- separating (3500) each series of two or more bags (30) from each other, thereby obtaining separated filled bag series.