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(71) Ansøger: Gumlink A/S, Dandyvej 19, 7100 Vejle, Danmark

(72) Opfinder: Niels Ravn Schmidt, Barrit Langgade 100, 7150 Barrit, Danmark

(74) Fuldmægtig: Internationalt Patent-Bureau A/S, Høje Taastrup Boulevard 23, 2630 Taastrup, Danmark

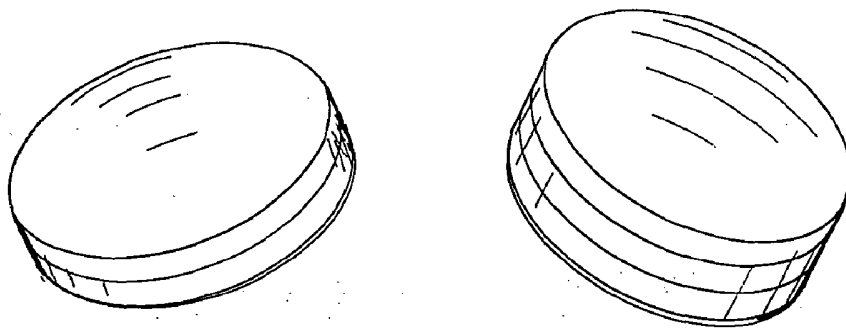
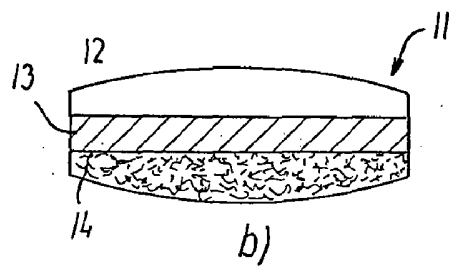
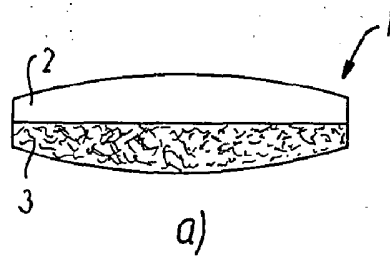
(54) Benævnelse: Layered chewing gum tablet

(57) Sammendrag:

The invention relates to a layered chewing gum tablet comprising at least one layer containing gum base, wherein the at least one layer containing gum base comprises gum base in an amount of 35.5 to 86.5 weight-% based on the total weight of the layered chewing gum tablet and the gum base is present in compressed gum granules having an average diameter in the range of 0.1 to 2.5 mm. Preferably the layered chewing gum tablet also comprises at least one layer that is substantially free of gum base.

fortsættes

FIG. 1



C L A I M S

1. A layered chewing gum tablet of compressed material comprising at least two layers wherein at least one of the at least two layers contains gum
5 base, characterized in that the at least one layer containing gum base comprises gum base in an amount of 35.5 to 86.5 weight-% based on the total weight of the layered chewing gum tablet said gum base being present in compressed gum gran-
10 ules having an average diameter in the range of 0.1 to 2.5 mm.

2. A layered chewing gum tablet according to claim 1, wherein the at least one layer containing gum base contains gum base in an amount of 38.5 to
15 76.5 weight-%, preferably in an amount of 39.5 to 65.5 weight-%, more preferably in an amount of 40.5 to 55.5 weight-% based on the total weight of the layered chewing gum tablet.

3. A layered chewing gum tablet according to
20 claims 1 or 2, wherein the at least one layer is substantially free of gum base.

4. A layered chewing gum tablet according to claim 3, wherein the at least one layer substantially free of gum base mainly comprises one or more sweet-
25 eners and one or more flavours.

5. A layered chewing gum tablet according to claim 4, wherein the at least one layer substantially free of gum base comprises sweetener in an amount of 49.6 to 98.2 weight-%.

30 6. A layered chewing gum tablet according to claim 4, wherein the at least one layer substantially free of gum base comprises flavours in an amount of 1.8 to 50.4 weight-%.

7. A layered chewing gum tablet according to any of the preceding claims, wherein the at least one layer containing gum base comprises the gum base in one or more gum granules with preferred average diameters in the range of 0.3 mm to 2.1 mm, and more preferred in the range of 0.5 mm to 1.6 mm.

8. A layered chewing gum tablet according to claim 7, wherein the gum granules comprises gum base in an amount of 55 to 100 weight-%, preferable in an amount of 61.5 to 97.2 weight-% based on the weight of the gum granules.

9. A layered chewing gum tablet according to claim 7 or 8, wherein the gum granules have an average diameter in the range of 0.1 mm to 2.5 mm, preferably in the range of 0.3 mm to 2.1 mm, and more preferred in the range of 0.5 mm to 1.6 mm.

10. A layered chewing gum tablet according to anyone of claims 1 to 9, wherein the layer comprising gum base, includes gum granules in a matrix comprising gum granules, sweeteners, flavours, colouring agents, fillers and optional other additives.

11. A layered chewing gum tablet according to any one of the claims 1 to 10, wherein the total weight of the tablet is in the range 3 - 21 gram, preferable in the range 5 - 18 gram.

12. A layered chewing gum tablet according to any of the preceding claims, wherein the tablet comprises a coating, preferably a sugar coating, a sugarfree coating or a film coating.

13. A layered chewing gum tablet according to any of the preceding claims, wherein the at least one layer containing gum base contains 100 weight-% gum base, preferably 56.5 to 75.5 weight-% gum base and

suitable 75.6 to 90.4 weight-%, conveniently 90.5 to 97.5 weight-% gum base based on the weight of the at least one layer containing gum base.

14. A layered chewing gum tablet according to
5 any of the preceding claims, wherein the at least one layer containing gum base contain at least about 43.4 to 46.6 weight-% gum base, preferably at least about 45.5 to 51.8 weight-% gum base, more preferably at least 51.8 to 60.5 weight-% gum base based on the
10 weight of the at least one layer containing gum base.

15. A layered chewing gum tablet according to any of the preceding claims, wherein the tablet comprises at least one barrier layer.

16. A layered chewing gum tablet according to
15 claim 15, wherein the at least one layer containing gum base constitutes the at least one barrier layer.

17. A method for manufacturing a layered chewing gum tablet comprising the steps of

- 20 i) placing a first portion including gum granules to constitute a first layer in a mould and pre-compress the first portion, and
- ii) placing a second portion to constitute a second layer onto the pre-compressed first
25 layer in the mould, and
- iii) compressing the layers to form a layered tablet

c h a r a c t e r i z e d in that the first portion comprises gum base in an amount of 35.5 to 86.5
30 weight-% based on the total weight of the layered chewing gum tablet and the gum base is present in gum granules having an average diameter in the range of 0.1 to 2.5 mm.

18. A method for manufacturing a layered chewing gum tablet according to claim 17, wherein the second portion is substantially free of gum base.

19. A method for manufacturing a layered chewing gum tablet according to claim 17 or 18, wherein a third portion to constitute a third layer is placed onto the second portion of tablet layer after step ii) and before step iii).

20. A method for manufacturing a layered chewing gum tablet according to claim 19, wherein the second portion is pre-compressed before the third portion of tablet layer is placed onto the second portion of tablet layer.

21. A method for manufacturing a layered chewing gum tablet according to any of claims 17-20, wherein the first portion forming the tablet layers is constituted by granules having an average diameter in the range of 0.1 mm to 2.5 mm, preferably in the range of 0.3 mm to 2.1 mm, and more preferred in the range of 0.5 mm to 1.6 mm.

22. A method for manufacturing a layered chewing gum tablet according to any of claims 17-21, wherein the granules comprises gum base in an amount of 55 to 100 weight-%, preferable in an amount of 61.5 to 97.2 weight-% based on the weight of the granules

23. A method for manufacturing a layered chewing gum tablet according to any of claims 17-22, wherein the method comprises the further step of coating the tablet.

FIG. 1

