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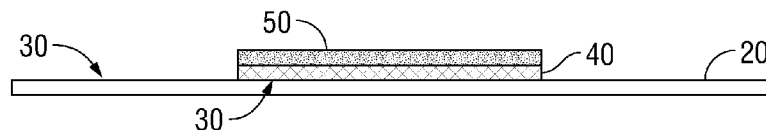


FIG. 2

(57) Abstract: The present disclosure relates to dressings, such as adhesive bandage, which can have an absorbent pad, and non-stick film secured thereto which has at least two different polymeric materials, a first polymeric material and a second polymeric material having a lower melting point than the first polymeric material.

AMENDED CLAIMS

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1. A dressing for applying on a wound, comprising:

an absorbent pad having a wound-facing surface and a second surface opposite from the wound-facing surface, wherein the absorbent pad consists essentially of cellulosic fibers and polymeric fibers; and

a non-stick film secured to the absorbent pad on the wound-facing surface, the non-stick film having a first region comprising a first polymeric material and a second region comprising a second polymeric material having a lower melting point than the first polymeric material.

2. The dressing of claim 1, wherein the first polymeric material comprises a first thermoplastic polymer selected from the group consisting of polypropylene, polyvinylidene fluoride, polytetrafluoroethylene, polyvinylchloride, polyamide, polyethylene, polyvinyl alcohol, polyester, polystyrene, polymethylpentene, polyoxymethylene, and mixtures thereof, wherein the second polymeric material comprises a second thermoplastic polymer selected from the group consisting of polypropylene, polyvinylidene fluoride, polytetrafluoroethylene, polyvinylchloride, polyamide, polyethylene, polyvinyl alcohol, polyester, polystyrene, polymethylpentene, polyoxymethylene, and mixtures thereof, and wherein the second region defines a securing layer attaching the non-stick film to the wound-facing surface of the absorbent pad.

3. The dressing of any one of the proceeding claims, wherein the first polymeric material consists essentially of a first polyester and the second polymeric material consists essentially of a

second polyester.

4. The dressing of any one of claims 1 or 2, wherein the second polymeric material comprises an amorphous polymer having a melting temperature range in a range of from about 120°C to about 200°C and wherein the first polymeric material comprises polyethylene terephthalate having a melting temperature range in a range of from about 200°C to about 275°C.

5. The dressing of any one of the proceeding claims, wherein the second polymeric material comprises polyethylene terephthalate having a glass transition temperature in a range of from about 60°C to about 88°C.

6. The dressing of any one of the proceeding claims, further comprising a second film secured to the absorbent pad on the second surface thereof, the second film having a third region comprising the first polymeric material and a fourth region comprising the second polymeric material, and wherein the fourth region defines a second securing layer attaching the second film to the second surface of the absorbent pad.

7. The dressing of any one of the proceeding claims, further comprising a backing substrate having an adhesive material on a surface thereof.

8. The dressing of claim 7, wherein the backing substrate comprises a woven fabric and the adhesive material comprises an acrylic.

9. The dressing of any one of the preceding claims, wherein the non-stick film has a perforated region including a plurality of perforations extending through the thickness thereof, and wherein the cellulosic fibers are selected from the group consisting of viscose, cotton, fiberized paper pulp, lyocell, and combinations thereof, and the polymeric fibers are selected from the group consisting of polypropylene fibers, polyester fibers, and combinations thereof.

10. The dressing of any one of the preceding claims, wherein the absorbent pad has a first, absorbent layer comprising a low density absorbent fabric and a second, wicking layer comprising a high density absorbent fabric.

11. The dressing of any one of the preceding claims, wherein the absorbent pad comprises polyhexamethylene biguanide.

12. A method of producing a wound dressing, comprising:
providing a non-stick film having a first region comprising a first polymeric material and a second region comprising a second polymeric material with a lower melting point than the first polymeric material; and
securing the non-stick film to an absorbent pad at a wound-facing surface thereof, wherein the absorbent pad consists essentially of cellulosic fibers and polymeric fibers.

13. The method of claim 12, wherein providing the non-stick

film having the first region comprising the first polymeric material and the second region comprising the second polymeric material comprises providing the first polymeric material having a melting range in a range of from about 200°C to about 275°C, and providing the second polymeric material has a melting range in a range of from about 120°C to about 200°C.

14. The method of any one of claims 12-13, wherein securing the non-stick film to the absorbent pad comprises exposing the non-stick film to an environment with a temperature in a range of from about 140°C to about 200°C.

15. The method of any one of claims 12-14, further comprising:
immersing at least a portion of the absorbent pad in a fluid comprising polyhexamethylene biguanide to produce a PHMB-immersed pad; and
drying the PHMB-immersed pad to produce a PHMB-containing pad, and
wherein securing the non-stick film to the absorbent pad comprises securing the second region of the non-stick film to the PHMB-containing pad.

16. The dressing of claim 1, wherein the absorbent pad consists essentially of a blend of about 80 wt% viscose fibers and about 20 wt% polyester fibers.

17. The method of claim 12, wherein the absorbent pad consists essentially of a blend of about 80 wt% viscose fibers and about 20 wt% polyester fibers.