## CLAIMS AS FILED

1. An absorbent core composite for incorporation into a disposable absorbent article, the absorbent core composite comprising:

a first material layer having an outside surface forming a bodyside outer surface of the absorbent core composite;

a second material layer having an outside surface forming an opposite outer surface of said absorbent core composite; and

a first layer of absorbent particles disposed between said outer surfaces of the absorbent composite and having an average size dimension;

a second layer of absorbent particles disposed between said outer surfaces of the absorbent composite, said absorbent particles of said second layer having an average size dimension less than the average size dimension of said absorbent particles of said first layer; and

wherein said first layer of absorbent particles are situated substantially in the first material layer and the second layer of absorbent particles are situated substantially in the second material layer; and

wherein said first material layer is a low density nonwoven and said second material layer is a nonwoven having a higher density than the low density nonwoven.

2. The absorbent composite of claim 1, wherein said average size dimension of said absorbent particles of the first layer is greater than 300 microns and said average size dimension of said absorbent particles of the second layer is between 0 and 300 microns.

3. The absorbent composite of claim 1, wherein said first material layer has a low density of from 0.01 to 0.03 g/cc.

4. The absorbent composite of claim 1, further comprising an intermediate layer of absorbent particles situated between said first and second layer of absorbent particles, wherein said absorbent particles are SAP particles.

5. The absorbent composite of claim 4, wherein an average size dimension of SAP particles, in microns, in each of the first, second, and intermediate layer of absorbent particles are 0 and 300, between 300 and 600, and between 600 and 850, respectively.

6. The absorbent composite of claim 5, wherein said first, intermediate, and second material layers have densities of from 0.01 to 0.03 g/cc, from 0.03 to 0.08 g/cc, and from 0.09 to 0.12 g/cc, respectively.

7. An absorbent core composite for incorporation into a disposable absorbent article, the absorbent core composite comprising:

a bodyside first material layer; and

a second material layer;

wherein said first and second material layers define a space therebetween, said space containing particles; and

wherein said particles include a population of SAP particles and a population of non-SAP spacing particles that are smaller than said SAP particles and generally positioned between two or more of said SAP particles, thereby spacing said two or more SAP particles from one another.

8. The absorbent core composite of claim 7, wherein said non-SAP spacing particles comprise inert particles; water-soluble particles; volatile particles; ion-exchange particles; or combinations thereof.

9. The absorbent core composite of claim 7, wherein said particles include hotmelt binder particles.

10. The absorbent core composite of claim 9, wherein a ratio of a number of said SAP particles to a number of said hotmelt binder particles is about 1:1.

11. The absorbent core composite of claim 10, wherein said hotmelt binder particles are water sensitive hotmelt particles.

12. The absorbent core composite of claim 7, wherein the SAP particles comprise spherical SAP; flake form SAP; superabsorbent fiber SAP; or combinations thereof.

13. The absorbent core composite of claim 7, wherein said non-SAP spacing particles are hotmelt particles that melt upon application of heat.

14. A disposable absorbent article, comprising:

a chassis body defined by a first end margin and a second end margin longitudinally spaced from the first end margin, the end margins partially defining front and back waist regions that are positioned about a wait of a user during wear of the disposable absorbent article;

a topsheet;

a backsheet; and

an absorbent composite disposed between the topsheet and the backsheet, the absorbent composite including:

a first material layer having an outside surface;

a second material layer having an outside surface;

a first layer of absorbent particles provided between said outside surfaces; and

a second layer of absorbent particles provided between said outside surfaces, said second layer of absorbent particles having absorbent properties different from said first layer of absorbent particles;

wherein said first layer of absorbent particles, said second layer of absorbent particles, and said first and second material layers together form an absorbent body, said absorbent body being folded such that said first layer of absorbent particles is folded onto the second layer of absorbent particles.

15. The disposable absorbent article of claim 14, wherein said second layer of absorbent particles is situated in said second material layer, said absorbent particles of said second layer of absorbent particles being generally smaller than said absorbent particles of said first layer of absorbent particles, and wherein said second material layer is positioned beneath the first material layer and has a lower density than the first material layer, said absorbent composite further comprising an intermediate material layer situated between said first and second material layers and having a density intermediate that of the first and second material layers.

16. The disposable absorbent article of claim 15, wherein said absorbent particles are SAP particles, said first and second material layers being bonded at a plurality of bond sites to define a plurality of pockets each containing said SAP particles.

17. The disposable absorbent article of claim 14, wherein said absorbent body is folded along two fold lines such that two flaps come together to form the first layer of absorbent particles adjacent the second layer of absorbent particles.

18. A disposable absorbent article, comprising:

a chassis body defined by a first end margin and a second end margin longitudinally spaced from the first end margin, the end margins partially defining front and back waist regions that are positioned about a wait of a user during wear of the disposable absorbent article;

a topsheet;

a backsheet; and

an absorbent composite disposed between the topsheet and the backsheet, the absorbent composite including:

a first material layer having an outside surface;

a second material layer having an outside surface;

a first layer of absorbent particles provided between said outside surfaces; and

a second layer of absorbent particles provided between said outside surfaces, said second layer of absorbent particles having absorbent properties different from said first layer of absorbent particles;

wherein said first and second material layers are bonded at a plurality of bond sites to define a plurality of spaced apart pockets each containing SAP aggregates.

19. The disposable absorbent article of claim 18, wherein said absorbent particles are SAP particles, said first layer of absorbent particles being laterally spaced from the second layer of absorbent particles by a longitudinally extending SAP-free zone.

20. A disposable absorbent article, comprising:

a chassis body defined by a first end margin and a second end margin longitudinally spaced from the first end margin, the end margins partially defining front and back waist regions that are positioned about a wait of a user during wear of the disposable absorbent article;

a topsheet;

a backsheet, and

an absorbent composite disposed between the topsheet and the backsheet, the absorbent composite including:

a first material layer having an outside surface;

a second material layer having an outside surface;

a first layer of absorbent particles provided between said outside surfaces; and

a second layer of absorbent particles provided between said outside surfaces, said second layer of absorbent particles having absorbent properties different from said first layer of absorbent particles;

wherein said at least one of said layers of absorbent particles is divided into two outer zones and a central zone therebetween, said central zone having a SAP composition different

from SAP compositions in each of the outer zones and having SAP an absorption property different from absorption properties of each of the outer zones.

21. The disposable absorbent article of claim 20, wherein said SAP composition of said central zone is characterized as slow absorbing with high absorption underload and high permeability, and said SAP composition of said outside zones is characterized as slow absorbing with low absorption underload and low permeability.

22. The disposable absorbent article of claim 20, wherein said outside zones include a mixture of SAP particles and ion-exchange materials.