

Title (en)

IMPROVED SUPERABSORBENT COMPOSITION AND ABSORBENT ARTICLE USING THE SAME

Title (de)

SUPERABSORBIERENDE ZUSAMMENSETZUNG UND ZUGEHÖRIGER ABSORBIERENDER ARTIKEL

Title (fr)

COMPOSITION SUPERABSORBANTE AMELIOREE ET ARTICLE ABSORBANT DANS LEQUEL ELLE EST UTILISEE

Publication

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Application

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Abstract (en)

[origin: WO0132117A1] The present invention is directed to a superabsorbent composition comprising: an underneutralized superabsorbent polymer in which at least 30 % of the functional groups of the polymer are in free acid form; and a layered double hydroxide anionic clay. The underneutralized superabsorbent polymer is believed to act as an Na<sup>+</sup> trap and the layered double hydroxide anionic clay is believed to act as a Cl<sup>-</sup> trap, thereby removing the electrolytes from the solution and improving the absorptive capacity of the superabsorbent composition. The preferred types of layered double hydroxide anionic clays useful in the present invention are hydrotalcite clays with rehydrated hydrotalcite being the most preferred. The present invention also discloses an absorbent article comprising the superabsorbent composition.

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