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(54) **CEREAL β GLUCAN COMPOSITIONS, METHODS OF PREPARATION AND USES THEREOF**

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USPC **424/443**; 424/422; 606/139; 606/228

(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

Cereal β(1-3) β(1-4) glucan is used as a film or coating agent to produce clear, edible, biodegradable, delivery, lubricating, and protecting agents. Cereal β(1-3) β(1-4) glucans are distinctive polymers of glucose differentiated from other polymers by not only their source but also their physicochemical properties. The β(1-3) β(1-4) forms a matrix to sequester other materials, such as pharmaceutical, medical and therapeutic agents, flavors, fragrances. The technology has applications to essential oils and non-aqueous materials that are rendered deliverable by the β(1-3) β(1-4) glucan. The β(1-3) β(1-4) glucan films described may be consumed whereby they dissolve in the mouth in a controlled manner and may be used for the delivery of pharmaceutical, medical or confectionery products.

3 Claims, 1 Drawing Sheet