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(54) **PRODUCT AND METHOD FOR TREATING COTTON**

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252/8.91

(58) **Field of Classification Search** 8/606,
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See application file for complete search history.

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(57) **ABSTRACT**

A process for producing an ionic crosslinked fibrous material, such as a cellulosic fabric, paper, or other substrate, wherein the ionic crosslinked fiber exhibits an increased wrinkle resistance angle. A process for producing a cationized chitosan, wherein the cationized chitosan exhibits cationization at the C₆ and ring hydroxyl sites and the reactivity of the ring NH₂ sites is preserved. A process for applying a polycation to an anionic fibrous material to form an ionic crosslinked fibrous material. A process for producing a cationized fibrous material, wherein the process is performed as a pad-batch process, an exhaust fixation process, a pad-steam process, or a pad-dry-cure process.

38 Claims, 7 Drawing Sheets