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(54) Title: DISSOLUTION AND PROCESSING OF CELLULOSE USING IONIC LIQUIDS

(57) Abstract: Cellulose is dissolved in an ionic liquid without derivatization, and is regenerated in a range of structural forms without requiring the use of harmful or volatile organic solvents. Cellulose solubility and the solution properties can be controlled by the selection of the ionic liquid constituents, with small cations and halide or pseudohalide anions favoring solution.



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