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Falcone

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(54) **COMPOSITIONS OF CARBOXYMETHYLCELLULOSE AND POLYETHYLENE OXIDE IONICALLY CROSS-LINKED USING POLYHYDROXYL ORGANIC ANIONS**

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CPC ***A61L 27/26*** (2013.01); ***A61L 27/50*** (2013.01); ***A61L 27/52*** (2013.01); ***A61L 27/58*** (2013.01); ***C08L 1/286*** (2013.01); *A61L 2400/06* (2013.01); *C08L 2201/06* (2013.01); *C08L 2201/54* (2013.01); *C08L 2203/02* (2013.01); *C08L 2312/00* (2013.01)

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

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(57) **ABSTRACT**

Ionically cross-linked compositions containing carboxypolysaccharides, polyalkylene oxides, polyhydroxyl organic anions, optionally divalent cations, and aqueous media are provided. Methods for manufacturing ionically cross-linked compositions of carboxypolysaccharides, polyalkylene oxides, polyhydroxyl organic anions, optionally divalent cations, and aqueous media are also provided. Such compositions can be used by placing then in proximity to a tissue in need of lubrication or for prevention of adhesions and adhesion reformation.

16 Claims, 4 Drawing Sheets