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(54) Title: WET-PACKED SOFT HYDROGEL OCULAR INSERTS

(57) Abstract: The invention is generally related to a soft hydrogel ocular insert that is composed of at least one hydrogel material in fully hydrated state and can be comfortable for wearing. The hydrogel material comprises polymer chains, which are derived from at least one arylborono-containing hydrophilic copolymer and at least one mucoadhesive polymer, and cyclic boronic ester crosslinks for crosslinking those mucoadhesive polymer chains and arylborono-containing hydrophilic copolymer chains to form a 3-dimensional polymer network. Those cyclic boronic ester crosslinks can be hydrolyzed slowly in the tear of the eyes of a patient, resulting in the disintegration (dissolution) of the 3-dimensional polymer network and thereby providing mucoadhesisve polymers and optionally drugs impregnated in the hydrogel ocular insert in a controlled manner.