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(54) Title: EDIBLE COATING FILMS COMPATIBLE WITH VEGAN, HALAL AND KOSHER DIETS FOR PRESERVATION OF FRUITS AND VEGETABLES

(57) Abstract: Herein disclosed is a film-forming composition which complies with halal, kosher and vegan dietary requirements, the film-forming composition includes a hydrogel comprised of a polysaccharide, and a water-soluble additive including a phenolic phytochemical and an anti-fungal agent, wherein the hydrogel is formed as a matrix incorporated with the water-soluble additive. A method of producing the film-forming composition is also disclosed herein. The method includes providing an aqueous solution including the phenolic phytochemical and the anti-fungal agent, and mixing the aqueous solution with the polysaccharide to form the film-forming composition.

WO 2021/107878 A1