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(54) Title: SILK-HYALURONIC ACID TISSUE FILLERS AND METHODS OF MAKING AND USING THE SAME

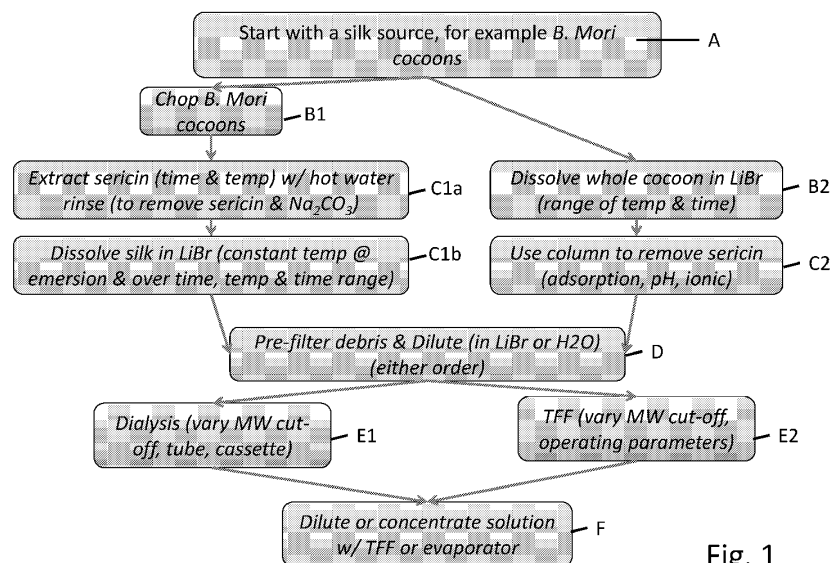


Fig. 1

(57) Abstract: Hyaluronic acid and silk fibroin or silk fibroin fragments tissue fillers and methods of making and using the same are provided herein. In some embodiments, the disclosure relates to a biocompatible tissue filler comprising silk fibroin or silk fibroin fragments, hyaluronic acid (HA), and polyethylene glycol (PEG) and/or polypropylene glycol (PPG), wherein a portion of the HA is modified or crosslinked by one or more linker moieties comprising one or more of polyethylene glycol (PEG), polypropylene glycol (PPG), and a secondary alcohol, wherein the linker moieties are attached to the HA at one end of the linker.

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