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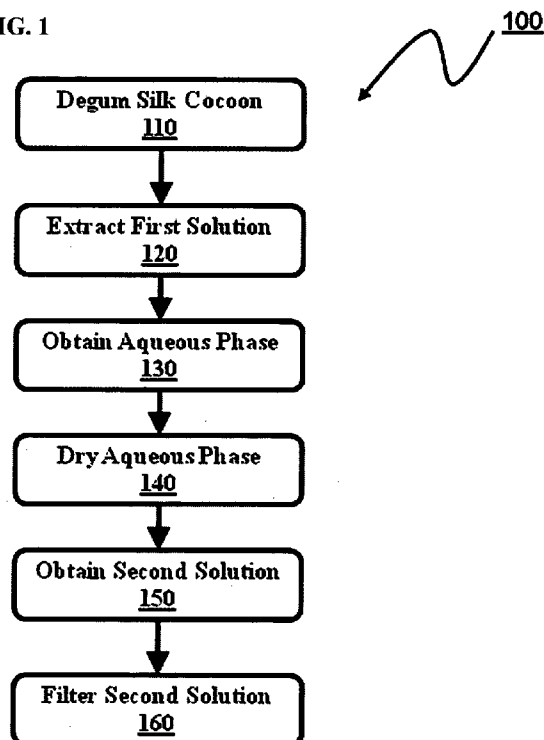
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(54) Title: METHOD FOR EXTRACTING SILK EXTRACT CONTAINING LUTEIN

FIG. 1



(57) Abstract: A method for obtaining silk extract containing lutein according to an embodiment of the invention is described. The lutein extraction method uses a three solvent system for extracting bioactive lutein from silk fibers. The extracted lutein has more than 95% purity in all-E isomer with biological activity being 5 times more effective on lipid peroxidation in retina cells and twice immune stimulation in mice when compared with commercially available lutein.



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